

S.No	Project Title	PI [Institute]	Co-PI [Institute]	Project Duration	Total Proposed Cost (in INR)
1	Fabrication and Characterization of Nanostructured Materials for Energy and Environmental Applications	1. Dr. Pallavi Bhange SANJAY GHODAWAT UNIVERSITY, ATIGRE Kolhapur sangli highway, Atigre Atigre Maharashtra (416005)	1. Prof. C H Bhosale SANJAY GHODAWAT UNIVERSITY, ATIGRE Department of Physics, Sanjay Ghodawat University Atigre, Kolhapure-416118 Kolhapur Maharashtra (416118) 2. Dr. C S Gopinath NATIONAL CHEMICAL LABORATORY National Chemical Laboratory Dr. Homi Bhabha Road Pune Maharashtra (411008) 3. Dr. D S Bhange SHIVAJI UNIVERSITY, KOLHAPUR Shivaji University, Kolhapur Kolhapur Maharashtra (416008) 4. Prof. P S Patil SHIVAJI UNIVERSITY, KOLHAPUR Department of Physics Shivaji University Kolhapur-416004 Kolhapur Maharashtra (416004) 5. Dr. S P Patil SANJAY GHODAWAT UNIVERSITY, ATIGRE Dept of physics, SGU Kolhapur Maharashtra (416118)	3 Years and 0 Months	11255000
2	Z-Scheme metal@g-C ₃ N ₄ /TiO ₂ system for solar catalytic reduction of CO ₂ to biofuel	1. Dr. B Mohammed Jaffar Ali PONDICHERRY UNIVERSITY Puducherry Pondicherry (605014)	NA	3 Years and 0 Months	5400000

3	Two stage scalable approach for treatment of water containing multi-drug resistant bacteria	<p>1. Dr. Tiju Thomas IIT MADRAS Indian Institute of Technology Madras IIT P.O., Chennai 600 036 INDIA Chennai Tamil Nadu (600036)</p> <p>2. Dr. B N Vedha Hari SASTRA DEEMED UNIVERSITY Department of Pharmacy, School of Chemical & Biotechnology, SASTRA Deemed University, Thanjavur-Tamilnadu (613401)</p>	<p>1. Dr. D Ramya Devi SASTRA DEEMED UNIVERSITY School of Chemical & Biotechnology, SASTRA Deemed University, Thanjavur-613401. Tamil Nadu, India. Thanjavur Tamilnadu (613401)</p> <p>2. Dr. Indumathi M Nambi IIT MADRAS Department of Civil Engineering, Environmental and Water Resources Engineering Division, Indian Institute of Tech Chennai Tamilnadu (600036)</p> <p>3. Dr. P Nithyanand SASTRA DEEMED UNIVERSITY School of Chemical & Biotechnology, SASTRA Deemed University, Thanjavur-613401. Tamil Nadu, India Ph. no: +91 8056465115 Thanjavur Tamilnadu (613401)</p>	3 Years and 0 Months	7964240
---	---	---	--	----------------------	---------

4	Preparation and applications of nanoscale activated carbon from Shorea Robusta Leaf Litter for the remediation of ground water quality that impacts seasonally to the tribal peoples of Eastern Ghat areas of Odisha	1. Dr. Surya Narayan Dash GMR INSTITUTE OF TECHNOLOGY GMR Nagar, Rajam Rajam, Srikakulam Dt Andhra Pradesh (532127)	1. Mr. P Satya Sagar GMR INSTITUTE OF TECHNOLOGY GMR Nagar, Rajam Rajam Andhra Pradesh (532127)	3 Years and 0 Months	2550000
5	Nanoporous membranes derived from block copolymers for energy and biological applications	1. Dr. Kamendra Awasthi MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR Prabha Bhawan, MNIT Campus, JLN Marg, Jaipur-302017 Jaipur Rajasthan (302017)	1. Dr. Anjali Awasthi UNIVERSITY OF RAJASTHAN, JAIPUR Dept of Zoology University of Rajasthan Jaipur Jaipur Rajasthan (302017) 2. Dr. Manoj Kumar MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR Dept of Physics, MNIT Jaipur Jaipur Rajasthan (302017)	3 Years and 0 Months	7304640
6	Eco-friendly, cost-effective and thermally stable heat transfer fluids for efficient heat transfer and storage applications: Design and engineering, real-time stability analysis and validation by concentrated	1. Dr. Shanmugasundaram Sakthivel INTERNATIONAL ADVANCED RESEARCH CENTER FOR POWDER	1. Dr. Mani Karthik INTERNATIONAL ADVANCED RESEARCH CENTER FOR POWDER METALLURGY AND NEW MATERIALS Balapur Hyderabad Telangana (500005)	3 Years and 0 Months	55277000

	solar thermal system	METALLURGY AND NEW MATERIALS P.O. Balapur, Hyderabad Balapur Telangana (500005) 2. Prof. Srinivas Reddy INDIAN INSTITUTE OF TECHNOLOGY MADRAS IITM, Chennai Chennai Ta milnadu (600036)			
7	Multifunctional Nanoporous Metal-Organic Frameworks derived electrocatalysts for Electrochemical Energy Devices	1. Dr. T Maiyalagan SRM UNIVERSITY SRM Research Institute, Department of Chemistry, SRM University, Chennai Tamilnadu (603203)	1. Dr. P ELUMALAI PONDICHERRY UNIVERSITY Department for Green Energy Technology Pondicherry University Puducherry-605014. Cell: 09751645895 PONDICHERRY Pondicherry (605014)	3 Years and 0 Months	6476000
8	Nanostructured Novel Thermoelectric Materials for Efficient Sustainable Energy Storage	1. Dr. G Narsinga Rao MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY & MANAGEMENT Dundigal(V),Medcha I(Dist), Hyderabad T elangana (500043) 2. Dr. Neeleshwar Dr Sonnathi	1. Dr. Anjana Bagga GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY B202, B- Block, GGSIP University, Sec 16C, Dwarka Delhi (110027) 2. Dr. K Suresh Babu	3 Years and 0 Months	25894000

		<p>GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY B202, B- Block, GGSIP University, Sec 16C, Dwarka Delhi (10078)</p>	<p>MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY & MANAGEMENT</p> <p>H.No.34, Bandari Layout Nizampet Village, Nizampet Hyderabad Telangana (500090)</p> <p>3. Dr. K ViJaya Kumar JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD</p> <p>Sultanpur (V), Pulkal (M) Sangareddy- District, 502 273, TS, India Sultanpur Telangana (502273)</p> <p>4. Dr. Vikas Mallik JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY</p> <p>S-20/9, DLF Phase 3, Gurgaon, Haryana Gurgaon Haryana (122010)</p>		
9	Integration of Flexible Lead-free metal halide perovskites based solar cells and solid-state supercapacitors for the hybridization of power conversion and energy storage	1. Dr. ASTAKALA ANIL KUMAR GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY (GIET) (A)	1. Dr. Ashok Kumar NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA	3 Years and 0 Months	4169264

		<p>Godavari Institute of Engineering and Technology, NH - 16, Chaitanya Knowledge City, Rajahmundry - 533296 Andhra Pradesh, India Rajahmundry Andhra Pradesh (533296)</p>	<p>Ashok Kumar, Ph.D. Assistant Professor, Department of Physics National Institute of Technology Kurukshetra Kurukshetra 136119, Haryana, INDIA Kurukshetra Haryana (136119)</p> <p>2. Dr. Sarath Chandra Veerla GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY (GIET) (A) Sarath Chandra Veerla, Ph.D., Associate Professor, Department of Humanities and Basic Sciences, Godavari Institute of Engineering and Technology (Autonomous), NH-16, Chaitanya Knowledge City, Rajahmu Rajahmundry Andhra Pradesh (533296)</p>		
10	<p>Exploring binder-free thin-film metal oxide nanostructure cathodes synthesized via ALD on current collector for high-performance Al-ion batteries.</p>	<p>1. Dr. Sudeshna Chattopadhyay INDIAN INSTITUTE OF TECHNOLOGY INDORE Khandwa Road, Simrol Indore Madhya Pradesh (453552)</p>	<p>1. Dr. Srimanta Pakhira IIT INDORE Chromium Building, Room No.: 618, Discipline of Physics, and Discipline of Metallurgy Engineering and Materials Science, IIT Indore, Khandwa Road, Simrol, Indore-453552, Madhya Pradesh, India. Indore Madhya Pradesh (453552)</p>	3 Years and 0 Months	8307840

11	2D BINARY METAL OXIDES/SULFIDES ON HETEROATOM-DOPED 3D POROUS CARBON PLATFORM DERIVED FROM BIOMASS FOR ENERGY-STORAGE DEVICES	1. Dr. A Pandurangan ANNA UNIVERSITY ,CHENNAI 25 Anna University, Guindy campus, Sardar patal road, chennai-25 guindy campus Tamilnadu (600025)	1. Prof. Dr S Ganesan ANNA UNIVERSITY Prof. S. Ganesan, , Anna University, Sardar Patel Road, Guindy, Chennai, 600 025 chennai Tamilnadu (600025)	5 Years and 0 Months	116124235.3
12	Design and development of nanoporous carbons for Li-ion capacitor applications	1. Dr. Rahul R Salunkhe INDIAN INSTITUTE OF TECHNOLOGY JAMMU Indian Institute of Technology Jammu Temp. Campus, Opposite Janipur Police Station, Paloura Jammu - 181 121 J&K, India. Jammu Jammu And Kashmir (181121)	1. Dr. Ashok Bera INDIAN INSTITUTE OF TECHNOLOGY JAMMU IIT Jammu Jammu Jammu And Kashmir (181221)	3 Years and 0 Months	4896000
13	Development of PbO doped BaTiO ₃ based nanomaterials as an alternative to PZT	1. Dr. Sandeep Butee COLLEGE OF ENGINEERING PUNE College of Engineering Pune Wellesely Road Shivajinagar Pune	NA	3 Years and 0 Months	7255000

		411005 M.S. PUNE Mahara shtra (411005)			
14	Development of novel nanocomposites for petroleum base lubricating oils as additives	1. Prof. Krishnasamy K ANNAMALAI UNIVERSITY Registrar, Annamalai University, Annamalainagar Annamalainagar Tamil nadu (608002)	1. Dr. B Karthikeyan ANNAMALAI UNIVERSITY DEPARTMENT OF CHEMISTRY FACULTY OF SCIENCE ANNAMALAI UNIVERSITY ANNAMALAINAGAR Chidambaram Tamilnadu (608002)	3 Years and 0 Months	9482400
15	Study and Development of Low-Dimensional Carbonaceous Nanomaterials Embedded Phase Change Materials for Low Cost Solar Thermal Energy Storage Applications	1. Dr. Abhishek Verma AMITY UNIVERSITY UTTAR PRADESH, NOIDA CAMPUS Amity University, Sector -125, Noida Noida Uttar Pradesh (201313)	1. Dr. Amit Kumar AMITY UNIVERSITY UTTAR PRADESH, NOIDA CAMPUS Amity University, Sector -125 Noida Uttar Pradesh (201303) 2. Prof. V K Jain AMITY INSTITUTE OF ADVANCED RESEARCH AND STUDIES (MATERIALS & DEVICES) Amity University, Sector -125 Noida Uttar Pradesh (201303)	3 Years and 0 Months	5954520
16	Design and Development of High Energy, Long Cycle Fast Charging Ni Rich Cathode and Si-SiO _x / 2D Enabled Nanostructured Anode Materials for Graphene Lithium-ion Battery	1. Dr. Kuldeep Singh CSIR CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE CSIR Madras Complex, Opposite to Asandas IT park, Taramani Chennai	1. Dr. A Sivashanmugam CSIR CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE CSIR -CECRI Karaikudi Karaikudi Tamilnadu (630003)	3 Years and 0 Months	44047700

Tamilnadu (600113)

**2. Prof. Praveen C
Ramamurthy**

INDIAN INSTITUTE
OF SCIENCE
BANGALORE
Department of
Materials
Engineering Indian
Institute of Science,
Bengaluru - 560012
Karnataka,
INDIA Bangalore
Karnataka (560012)

3. Dr. MS Santosh

JAYPEE INSTITUTE
OF TECHNOLOGY
Centre for
Incubation,
Innovation,
Research and
Consultancy
(CIIRC), Jyothy
Institute of
Technology (JIT)
Thataguni,
Bangalore - 560082,
India Bangalore
Karnataka (560082)

		<p>4. Dr. Anil Ohlan MAHARSHI DAYANAND UNIVERSITY, ROHTAK, HARYANA Department of Physics, Maharshi Dayanand University, Rohtak Rohtak Hary ana (124001)</p>			
17	An integrated approach comprising electrochemical nanobiosensor platform and Non-Thermal Plasma irradiation for continuous monitoring and elimination	<p>1. Prof. Subrahmanyam Challapalli INDIAN INSTITUTE OF TECHNOLOGY HYDERABAD Kandi, Sanga Reddy Hyderabad T elangana (502285)</p>	<p>1. Dr. Sivaramakrishna Vanjari IIT HYDERABAD IIT Hyderabad Sanga Reddy Telangana (502285)</p>	3 Years and 0 Months	8148240
18	Development of Magnesium ion full cells using nano-structured electrode materials for the next generation energy storage applications	<p>1. Prof. S Jayalekshmi COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY Cochin University of Science and Technology, Cochin University P. O., Cochin-682022, Kerala, India Kochi Kerala (682022)</p>	<p>1. Dr. Anilkumar K M MILAD E SHERIEF MEMORIAL COLLEGE 8/929 Gouri Nivas Koovapadam Kochi Kochi Kerala (682002)</p>	3 Years and 0 Months	10000000

		<p>2. Prof. Honey John COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY</p> <p>Dept. of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Kochi Kalamassery Kerala (682022)</p> <p>3. Prof. M K Jayaraj COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY</p> <p>Dept. of Physics, Cochin University of Sceicne and Technology Kochi Kerala (682022)</p> <p>4. Dr. Saji K J COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY</p> <p>International School of photonics, Cochin university of Science and Technology Kalamassery Kerala (682022)</p>			
19	Centre of Excellence in Nano-Science and Quantum Systems A Bridge between Energy and Environment for Sustainable Development	<p>1. Prof. Suresh Gosavi SAVITRIBAI PHUE PUNE UNIVERSITY Savitribai Phue Pune University, Ganeshkhind Pune MS India Pune Maharashtra (411007)</p>	<p>1. Dr. Anjali Kshirsagar SAVITRIBAI PHUE PUNE UNIVERSITY Savitribai Phule Pune University Ganesh Khind PUNE Pune Maharashtra (411007)</p>	3 Years and 0 Months	48513000

2. Dr. Bharat Kale

CENTER FOR
MATERIALS FOR
ELECTRONICS
TECHNOLOGY
(CMET)

Centre for Materials
for Electronics
Technology (C-
MET) Panchawati,
Off Pashan Road
Pune : 411 008.
INDIA Pune Mahara
shtra (411008)

3. Dr. Anil Kinage

NATIONAL
CHEMICAL
LABORATORY
Chemical
Engineering and
Process
Development
Division National
Chemical Laboratory
Pune-
411008 Pune Mahar
ashtra (411008)

**4. Dr. Shailendera
Shukla**

INDIAN INSTITUTE
OF TECHNOLOGY
(BANARAS HINDU
UNIVERSITY)
VARANASI

2. Dr. Ravindra Sonawane

CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY,
PUNE

Centre for Materials for Electronics Technology Panchawati Rd,
Mansarovar, Panchawati, Pashan, Pune, Maharashtra
411008 Pune Maharashtra (411008)

		Indian Institute of Technology (Banaras Hindu University) Varanasi Uttar Pradesh (221005)			
20	Tuning the energy efficiency of Multiferroic clean energy source Photovatic cell	1. Dr. Sudipta kishore pradhan BIRLA INSTITUTE OF TECHNOLOGY , MESRA, PATNA CAMPUS B.I.T MESRA, PATNA CAMPUS, NEAR JPNI AIRPORT, SHEIKHPURA, PATNA,BIHAR PATNA Bihar (800014)	1. Dr. Manoranjan Kar IIT PATNA Dr. Manoranjan Kar Department of Physics Indian Institute of Technology Patna patna Bihar (801106) 2. Dr. Paramjit Kour BIRLA INSTITUTE OF TECHNOLOGY , MESRA, PATNA CAMPUS Dept of Physics BIT PATNA cAMPUS B.V.COLlege,pATNA Patna Bihar (800014)	3 Years and 0 Months	5546400
21	Graphene/Metal Oxide photocatalytic Hydrogen Production for Green Energy	1. Dr. Arun Singh JAMIA MILIA ISLAMIA, CENTRAL UNIVERSITY	NA	3 Years and 0 Months	18198220

		Jamia Milia Islamia, Jamia Nagar New Delhi Delhi (110025)			
22	Design and Fabrication of Nano Energy Harvester to Ease the Visually Challenged to Write	<p>1. Dr. P Geetha SREE VIDYANIKETHAN ENGINEERING COLLEGE Sree Sainath Nagar A.Rangampet Tirupati Tirupati Andhra Pradesh (517102)</p>	<p>1. Dr. Argha Sarkar SREE VIDYANIKETHAN ENGINEERING COLLEGE</p> <p>Department of ECE, Sree Vidyanikethan Engineering College, Sainath Nagar, A.Rangampet, Tirupati 517102 Andhra Pradesh Tirupati Andhra Pradesh (517102)</p> <p>2. Dr. K Santhi GURU NANAK INSTITUTIONS TECHNICAL CAMPUS (AUTONOMOUS) Professor & HOD / EEE ,Guru Nanak Institutions Technical Campus, Hyderabad. Hyderabad Telangana (501506)</p> <p>3. Dr. N Vithyalakshmi SREE VIDYANIKETHAN ENGINEERING COLLEGE</p> <p>Department of ECE, Sree Vidyanikethan Engineering College, Sainath Nagar, A.Rangampet, Tirupati 517102 Andhra Pradesh. Tirupati Andhra Pradesh (517102)</p>	3 Years and 0 Months	3411000

23	Development of quantum dot co-sensitized solar cells QDSSCs with down shifting phosphor to enhance the power conversion efficiency	1. Dr. M MAHALAKSHMI SRI SIVA SUBRAMANIYA NADAR COLLEGE OF ENGINEERING SSN CE,RAJIV GANDHI SALAIOMR,KALAVAKKAM chennai Tamilnadu (603110)	1. Dr. Muthu Senthil Pandian SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING SSN College of Engineering, Old Mahabhalipuram, Kalavakkam Chennai Tamilnadu (603110) 2. Prof. P Ramasamy SRI SIVA SUBRAMANIYA NADAR COLLEGE OF ENGINEERING SSN College of Engineering, Old Mahabalipuram Road OMR, Kalavakkam. Chennai Tamilnadu (603110)	3 Years and 0 Months	3334836
24	Development of graphene based biosensing platform for detection of Pancreoductal Adenocarcinoma	1. Dr. Preeti Suman Saxena BANARAS HINDU UNIVERSITY Department of Zoology, Banaras Hindu University, Varanasi-221005 Varanasi Uttar Pradesh (221005)	1. Dr. Vandana Srivastava IIT (BHU) Department of Chemistry, Indian Institute of Technology, Banaras Hindu University, Varanasi-221005 Varanasi Uttar Pradesh (221005)	3 Years and 0 Months	3932764
25	Pilot Scale Investigation for detection and degradation of predominant emerging	1. Dr. Devatha C P NATIONAL INSTITUTE OF	1. Dr. Arun Kumar Thalla NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL	3 Years and 0 Months	3213100

	contaminants by novel cellulose-based Fe Nanocomposite	TECHNOLOGY, KARNATAKA, SURATHKAL NH 66, Srinivas Nagar, Surathkal, Mangalore, Karnataka Mangalore Karnataka (575025)	Dept. of Civil Engineering Mangalore Karnataka (575025)		
26	Design and Development of Hybrid Electrodes using 2D-phenes Borophene amp Graphene with 1D-Metal Oxide Nanostructures for Supercapattery Devices and Water Splitting Applications	<p>1. Prof. R Jayavel ANNA UNIVERSITY ,CHENNAI 25 Anna University, Guindy campus, Ssardar patal road, chennai-25 Chennai Tamilnadu (636307)</p> <p>2. Prof. S Balakumar UNIVERSITY OF MADRAS National Centre for Nanoscience and Nanotechnology, University of Madras, Guindy Campus, Chennai Chennai Tamilnadu (600025)</p> <p>3. Prof. G Ranga Rao INDIAN INSTITUTE OF TECHNOLOGY</p>	<p>1. Dr. Aravind Kumar Chandiran INDIAN INSTITUTE OF TECHNOLOGY MADRAS DEPARTMENT OF CHEMICAL ENGINEERING, IITM chennai Tamilnadu (600036)</p> <p>2. Prof. Ilangovan UNIVERSITY OF MADRAS National Centre for Nanoscience and Nanotechnology, University of Madras, Guindy Campus, Chennai Chennai Tamilnadu (600025)</p> <p>3. Dr. N R Sasirekha UNIVERSITY OF MADRAS</p>	3 Years and 0 Months	49693248

		<p>MADRAS</p> <p>Department of chemistry, IIT Madras chennai Tamilnadu (600036) grrao@iitm.ac.in 9444941086</p>	<p>CAS in Crystallography and Biophysics, University of Madras, Guindy Campus, Chennai Chennai Tamilnadu (600025)</p> <p>nrsasirekha@gmail.com 9840162896</p> <p>4. Dr. Shubra Singh ANNA UNIVERSITY ,CHENNAI 25 Crystal Growth Centre, Anna University, Chennai Chennai Tamilnadu (600025)</p>		
27	Effect of Engineered Nanoparticles on MDR Pathogens in Environment	<p>1. Mrs. Suparna Deepak PILLAI COLLEGE OF ARTS COMMERCE AND SCIENCE Department of Biotechnology, Pillai College Of Arts, Commerce & Science, Dr. K M Vasudevan Pillai Campus, Plot 10, Sector 16, New Panvel, Navi Mumbai-410206 New Panvel Maharashtra (410206)</p>	NA	3 Years and 0 Months	203000
28	Oxide Nanocomposites for the dual use of energy production and water	<p>1. Dr. Jaydeep Bhattacharya JAWAHARLAL</p>	NA	3 Years and 0 Months	8576000

	decontamination	<p>NEHRU UNIVERSITY Aruna Asaf Ali Marg New Delhi Delhi (110067)</p> <p>2. Dr. Ranjita Ghosh Moulick AMITY UNIVERSITY HARYANA OTH-11, JNU New Delhi Delhi (110067)</p>			
29	Photochemical and Electrochemical Processes in Assembled Molecules and Nanomaterials Implications of Electric Field and Coherence in Photovoltaics	<p>1. Prof. K George Thomas INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH THIRUVANANTHAPURAM Maruthamala PO, Vithura, Trivandrum Kerala (695551)</p>	<p>1. Prof. G U Kulkarni CENTER FOR NANO AND SOFT MATTER SCIENCES, BENGALURU Jalahalli, Bangalore Bengaluru Karnataka (560013)</p> <p>2. Dr. Mahesh Hariharan INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH THIRUVANANTHAPURAM IISER-TVM Vithura, Maruthamala P.O. Trivandrum Thiruvananthapuram Kerala (695551)</p>	3 Years and 0 Months	60675400

			<p>3. Dr. R S Swathi INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH THIRUVANANTHAPURAM</p> <p>IISER-TVM Maruthamala, Vithura Thiruvananthapuram Kerala (695551)</p> <p>4. Prof. S Sampath INDIAN INSTITUTE OF SCIENCE, BANGALORE</p> <p>C V Raman Road Bangalore Bangalore Karnataka (560012)</p>		
30	Enhanced heat capacity and cost effective solar thermal energy harvesting using molten salt “embedded with in-situ ceramic nanoparticles and their CNT composites	<p>1. Dr. RAMAKRISHNA KONIJETI KONERU LAKSHMIAH EDUCATION FOUNDATION Vaddeswaram, Green Fields Vaddeswaram Andhra Pradesh (522501) konijeti95@gmail.com 9948131461</p>	<p>1. Dr. K NAGA MAHESH K L UNIVERSITY K L UNIVERSITY, VADDESWAREM GUNTUR Andhra Pradesh (522501)</p> <p>2. Dr. Y ANJANEYULU K L UNIVERSITY K L UNIVERSITY, VADDESWAREM guntur Andhra Pradesh (522501)</p>	3 Years and 0 Months	8313000

31	Unveiling Solid State Luminescence of AIE-gens at Two-dimensional Confined Geometry for Achieving Electroluminescent Devices	<p>1. Prof. Somabrata Acharya INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE 2A & 2B Raja S C Mullick Road Kolkata 700032, INDIA. Kolkata West Bengal (700032)</p> <p>2. Prof. Santanu Bhattacharya INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Indian Association for the Cultivation of Science Opposite to Jadavpur University Kolkata West Bengal (700032)</p>	<p>1. Dr. Inamur Rahaman Laskar BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE (BITS), PILANI, PILANI CAMPUS</p> <p>Department of Chemistry Birla Institute of Technology and Science (BITS), Pilani Campus Pilani, Rajasthan Pilani Rajasthan (333031)</p>	3 Years and 0 Months	57244000
32	Development of Flexible Ambipolar Organic Field Effect Transistor Sensors Through Structure Design and Engineering	<p>1. Dr. Amit Kumar AMITY UNIVERSITY NOIDA</p> <p>Amit Kumar, Amity University Noida Uttar Pradesh (201313)</p>	<p>1. Dr. Abhishek Verma AMITY INSTITUTE FOR ADVANCED RESEARCH AND STUDIES (MATERIALS & DEVICES)</p> <p>D-20, Sector-9, New Vijay Nagar, Ghaziabad-201009, Uttar Pradesh, INDIA Vijay Nagar Uttar Pradesh (201009)</p>	3 Years and 0 Months	5650180

			<p>2. Dr. Vinod Kumar Jain AMITY INSTITUTE FOR ADVANCED RESEARCH AND STUDIES (MATERIALS & DEVICES)</p> <p>E3 4th floor Amity University Noida Uttar Pradesh (201303)</p>		
33	Fabrication and optimization of Tin Oxide and Silicon nanowires on silicon chip based room temperature UV detector	<p>1. Dr. Hrishikesh Dhasmana AMITY UNIVERSITY NOIDA</p> <p>Amity University, E-3, 4th Floor, Sector-125 Noida Uttar Pradesh (201306)</p>	<p>1. Dr. Avshish Kumar AMITY INSTITUTE OF ADVANCED RESEARCH AND STUDIES (MATERIALS & DEVICES)</p> <p>Amity University Noida Uttar Pradesh Noida Uttar Pradesh (201303)</p>	3 Years and 0 Months	3644520
34	Development of Ecofriendly Metal Working Nanofluids from Palm Oil based Nano Emulsions	<p>1. Dr. Ajmal Koya Pulikkal NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM Chaltlang, Aizawl Chaltlang, Aizawl Mizoram (79 6012)</p> <p>2. Dr. Basil Kuriachen NATIONAL INSTITUTE OF TECHNOLOGY, MIZORAM</p>	<p>1. Prof. Jose Mathew NATIONAL INSTITUTE OF TECHNOLOGY CALICUT</p> <p>Professor HAG; NIT Calicut; NIT Campus P.O.; Calicut-673601 Calicut Kerala (673601)</p>	3 Years and 0 Months	4334544

		Asst. Professor (ME) NIT Mizoram Chaltlang Aizawl Aizawl Mizoram (796012)			
35	development of highly efficient MoSSe and MoPSe electrocatalyst materials for Electrochemical water splitting and supercapacitor applications	1. Dr. A VENKATESWARA RAO KONERU LAKSHMAIAH EDUCATION FOUNDATION DEEMED TO BE UNIVERSITY GREEN FIELDS, VADDESARAM, GUNTUR VIJAYAWADA Andhra Pradesh (522502)	1. Dr. Sankararao Mutyala KONERU LAKSHMAIAH EDUCATION FOUNDATION DEEMED TO BE UNIVERSITY Nandam (Vill), Narava (Post) Gantiyada (Mandal) Vizianagaram (Dist) Andhra Pradesh NANDAM Andhra Pradesh (535215)	3 Years and 0 Months	5861320
36	Development of lead-free perovskite nanomaterials for energy applications	1. Dr. Sudip Kumar Batabyal AMRITA VISHWA VIDYAPEETHAM Amrita School of Engineering Ettimadai Campus Coimbatore Coimbatore Tamilnadu (641112)	1. Dr. Ajay D Thakur IIT PATNA Dept of Physics, IIT Patna, pin 801106 patna Bihar (801106) 2. Dr. Kallol Mohanta PSG INSTITUTE OF ADVANCED STUDIES	3 Years and 0 Months	22956000

PSG Institute of Advanced Studies, Peelamedu, Avinashi Road,
Coimbatore, Tamilnadu 641004, India Coimbatore Tamilnadu (641004)

3. Prof. Kanad Ray

AMITY UNIVERSITY RAJASTHAN

Amity University Jaipur Campus, SP-1, Kant Kalwar, NH-11C, RIICO
Industrial Area, Jaipur, Rajasthan 303002 jaipur Rajasthan (303002)

4. Dr. Saikat Bhaumik

INSTITUTE OF CHEMICAL TECHNOLOGY MUMBAI INDIANOIL
ODISHA CAMPUS

IIT Kharagpur Extension Centre, Mouza-Samantpuri,
Bhubaneswar Bhubaneswar Orissa (751013)

5. Dr. SatyajitSahu

IIT JODHPUR

Dept of Physics, IIT Jodhpur, Jodhpur-
342037 Jodhpur Rajasthan (342037)

6. Dr. Subrata Ghosh

NORTH EAST INSTITUTE OF SCIENCE AND TECHNOLOGY,
JORHAT

Chemical Science and technology division, North East Institute of Science and Technology, Jorhat, Assam Jorhat Assam (785006)

37	Development of organic-inorganic hybrid membranes based Fuel Cells fabrication and performance studies.	1. Prof. Dinakaran DEPARTMENT OF CHEMISTRY THIRUVALLUVAR UNIVERSITY SERKKADU VELLORE, 632115, VELLORE, TAMILNADU, 632115 THIRUVALLUVAR UNIVERSITY SERKKADU VELLORE, 632115, Vellore, Tamilnadu, 632115 Serkkadu T amilnadu (632115)	1. Dr. ELUMALAI P PONDICHERRY UNIVERSITY KALAPET PONDICHERRY Pondicherry (605014) 2. Dr. Mohammed Jaffar Ali PONDICHERRY UNIVERSITY Kalapet Pondicherry Pondicherry (605014) 3. Dr. THIRUMALAI D THIRUVALLUVAR UNIVERSITY SERKKADU VELLORE Tamilnadu (632115)	3 Years and 0 Months	15483600
----	---	---	--	----------------------	----------

38	VERTICALLY ALIGNED NANO-SCAFFOLD COMPOSITE FILMS FOR ALL-SOLID STATE METAL BATTERIES	1. Dr. Christie Thomas Cherian CHRIST (DEEMED TO BE UNIVERSITY) Christ (Deemed to be University), Hosur Main Road Bhavani Nagar Karnataka (560029)	1. Dr. Pinkie Jacob Eravuchira CHRIST DEEMED TO BE UNIVERSITY Dept of Physics CHRIST (Deemed to be University), Bangalore, 560029, India Bangalore Karnataka (560029) 2. Dr. Vinod T P CHRIST DEEMED TO BE UNIVERSITY Department of Chemistry CHRIST (Deemed to be University), Bangalore, 560029, India Bangalore Karnataka (560029)	3 Years and 0 Months	5323120
39	Inorganic, doped LaCoO ₃ nanocomposites for low temperature thermoelectric applications	1. Dr. Anuradha M Ashok PSG COLLEGE OF TECHNOLOGY POST BOX NO. 1611, PEELAMEDU, COIMBATORE PEE LAMEDU Tamilnadu (641004)	1. Dr. B Geetha Priyadarshini PSG INSTITUTE OF ADVANCED STUDIES Avinashi Road, Peelamedu Coimbatore Tamilnadu (641004) 2. Dr. D K Misra CSIR NATIONAL PHYSICAL LABORATORY Dr. K.S. Krishnan Road, New Delhi Delhi Delhi (110012)	3 Years and 0 Months	13527645

3. Dr. R Sivasubramanian
PSG INSTITUTE OF ADVANCED STUDIES
Avinashi Road, Peelamedu Coimbatore Tamilnadu (641004)

40	Development of nanomaterials based Li-ion and Na-ion rechargeable storage batteries - solid electrolyte interface behaviour, thermal management and safety assessment.	1. Prof. Anjan Sil INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, UTTARAKHAND Department of Metallurgical and Materials Engineering, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand-247667, India Roorkee Uttarakhand (247667)	1. Dr. Amrish Panwar DELHI TECHNOLOGICAL UNIVERSITY Department of Applied Physics, Delhi Technological University, Delhi - 110042 Delhi Delhi (110042) 2. Dr. Dibakar Rakshit INDIAN INSTITUTE OF TECHNOLOGY, DELHI Centre for Energy Studies Indian Institute of Technology Delhi, Delhi " 110016. Delhi Delhi (110016) 3. Dr. Jishnu Bhattacharya INDIAN INSTITUTE OF TECHNOLOGY KANPUR	3 Years and 0 Months	62102400
----	--	--	---	----------------------	----------

Department of Mechanical Engineering, Indian Institute of Technology
Kanpur Kanpur - 208016, U.P. Kanpur Uttar Pradesh (208016)

4. Dr. Kirti Bhusan Mishra

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, UTTARAKHAND

Department of Mechanical and Industrial Engineering, Indian Institute of
Technology Roorkee. Roorkee " 247667,
Uttarakhand Roorkee Uttarakhand (247667)

5. Dr. Nikhil Dhawan

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Department of Metallurgical and Materials Engineering, Indian Institute
of Technology Roorkee. Roorkee " 247667,
Uttarakhand Roorkee Uttarakhand (247667)

6. Dr. Ram Singh

DELHI TECHNOLOGICAL UNIVERSITY

Department of Applied Chemistry, Delhi Technological University, Delhi -
110042, India. Delhi Delhi (110042)

7. Dr. Sandeep Pathak

INDIAN INSTITUTE OF TECHNOLOGY, DELHI

Centre for Energy Studies Indian Institute of Technology Delhi, Delhi â€”
110016. Delhi Delhi (110016)

8. Dr. Siladitya Pal

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Department of Mechanical and Industrial Engineering, Indian Institute of
Technology Roorkee. Roorkee-247667,
Uttarakhand Roorkee Uttarakhand (247667)

9. Dr. Sreeraj Puravankara

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

School of Energy Science and Engineering, Indian Institute of
Technology Kharagpur, Kharagpur - 721302, W.B. Kharagpur West
Bengal (721302)

10. Dr. Sudhkar Subudhi

INDIAN INSTITUTE OF TECHNOLOGY , ROORKEE

Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee. Roorkee â€” 247667, Uttarakhand Roorkee Uttarakhand (247667)

11. Dr. Sujay Chattopadhyay

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Department of Polymer and Process Engineering, Indian Institute of Technology Roorkee. Roorkee â€” 247667, Uttarakhand Roorkee Uttarakhand (247667)

12. Dr. Venimadhav Adyam

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Centre for Cryogenic Engineering, Indian Institute of Technology Kharagpur, Kharagpur - 721302, W.B. Kharagpur West Bengal (721302)

41	Fabrication of smart rechargeable battery using SnO ₂ /graphite electrodes and hybrid polymer electrolytes	1. Dr. M Hema KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY	1. Dr. K Sakthiraj KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY	3 Years and 0 Months	2748264
----	---	---	--	-------------------------	---------

		<p>Kamaraj College of Engineering and Technology, S.P.G.Chidambara Nadar C.Nagammal Campus, Near Virudhunagar, Madurai District K. Vellakulam - 625 70 Virudhunagar Tamilnadu (625701)</p>	<p>Kamaraj College of Engineering and Technology S.P.G.C.Nagar, Madurai Tamilnadu madurai Tamilnadu (625701)</p> <p>2. Dr. S Luna Eunice KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY</p> <p>Kamaraj College of Engineering and Technology S.P.G.C.Nagar, Madurai Tamilnadu-625 701 Madurai Tamilnadu (625701)</p> <p>lunaeunicechem@kamarajengg.edu.in 9655984421</p>		
42	Fabrication of commercially viable nanoscale solar driven Self-Powered environmental sensor	<p>1. Dr. K Saravanakumar KONGUNADU ARTS AND SCIENCE COLLEGE G.N MILLS POST, COIMBATORE-641029, TAMILNADU, INDIA. Coimbatore Tamilnadu (641029)</p> <p>2. Dr. S N Karthick BHARATHIAR UNIVERSITY</p>	<p>1. Dr. B Chandar Shekar KONGUNADU ARTS AND SCIENCE COLLEGE</p> <p>Assistant Professor, Department of Physics, Kongunadu Arts and Science College, Coimbatore coimbatore Tamilnadu (641029)</p>	3 Years and 0 Months	4957000

Assistant Professor,
Department of
Chemistry,
Bharathiar
University
Coimbatore Coimbatore
Tamilnadu (641046)

43	Development of stable electrodes for Flexible Perovskite Solar cells (FPSCs) - A systematic study on various parameters, Fabrication of PSCs and Tandem cells	<p>1. Dr. A Nirmala Grace VIT UNIVERSITY Tiruvallam Road Katpadi Vellore Katpadi Tamilnadu (632014)</p> <p>2. Dr. Surya Prakash Singh INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY Polymer and Functional materials division , IICT, Hyderabad, TS Hyderabad Telangana (500007)</p> <p>3. Dr. Sudip Chakravarthy INDIAN INSTITUTE OF TECHNOLOGY INDORE</p>	<p>1. Dr. Abhishek Kumar Mishra UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Dept of Physics, UPES, Dehradun Dehradun Uttarakhand (248007)</p> <p>2. Dr. George Jacob VELLORE INSTITUE OF TECHNOLOGY Centre for Nanotechnology Research, VIT, Vellore Vellore Tamilnadu (632014)</p> <p>3. Dr. Lingamallu Giribabu INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY</p>	5 Years and 0 Months	80844792
----	---	--	---	----------------------	----------

Dept of Physics, IIT
Indore Indore Madhya
Pradesh (453552)

**4. Dr. Murali
Banavath**
UNIVERSITY OF
HYDERABAD

Dept. of Chemistry ,
University of
Hyderabad,
TS Hyderabad Telan
gana (500046)

**5. Dr. Sandeep
Pathak**
INDIAN INSTITUTE
OF TECHNOLOGY
DELHI
Centre for Energy
Studies , IIT
Delhi Delhi Delhi (11
0016)

**6. Dr. Selvaraj
Kaliaperumal**
NATIONAL
CHEMICAL
LABORATORY
Catalysis and
Inorganic Chemistry,
NCL,
Pune Pune Maharas
htra (411008)

Polymers and Functional Materials Division, IICT,
Hederabad Hyderabad Telangana (500007)

4. Dr. Manjeet Singh Goyat

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

Dept. of Physics, UPES, Dehradun Dehradun Uttarakhand (248007)

5. Dr. Prasanta Mandal

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

Dept of Physics, UPES, Dehradun Dehradun Uttarakhand (248007)

6. Dr. R Vimala

VELLORE INSTITUE OF TECHNOLOGY

Centre for Nanotechnology Research, VIT Vellore Tamilnadu (632009)

		<p>7. Dr. Rajeev K Gupta UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Dept of Physics, University of Petroleum and Energy Studies Dehradun Uttarakhand (248007)</p>	<p>7. Dr. Raja Sellappan VELLORE INSTITUTE OF TECHNOLOGY H-10 Palar Garden, Sathuvachari, Vellore Vellore Tamilnadu (632014)</p> <p>8. Dr. Sailaja Krishnamurty NATIONAL CHEMICAL LABORATORY Physical And Materials Chemistry, NCL Pune Pune Maharashtra (411008)</p>		
44	Nanoinks for Large-Area Printable Energy-devices N-LAPE	<p>1. Dr. Sushobhan Avasthi INDIAN INSTITUTE OF SCIENCE BANGALORE Centre for Nano Science and Engineering Indian Institute of Science Bangalore Karnataka (560012)</p> <p>2. Prof. Satish Patil INDIAN INSTITUTE OF SCIENCE</p>	<p>1. Prof. Anshu Pandey INDIAN INSTITUTE OF SCIENCE SSCU, Indian Institute of Science Bengaluru Karnataka (560012)</p> <p>2. Prof. Bhola Nath Pal INDIAN INSTITUTE OF TECHNOLOGY, BHU , BANARAS HINDU UNIVERSITY, VARANASI, VARANASI,</p>	5 Years and 0 Months	12332700

SSCU, Indian
Institute of
Science Bengaluru
Karnataka (560012)

School of Materials Science and Technology, IIT BHU Varanasi Uttar
Pradesh (221005)

3. Prof. JYOTISHMAN DASGUPTA

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

Office: B-127 Department of Chemical Sciences, Tata Institute of
Fundamental Research, Mumbai Maharashtra (400005)

4. Prof. Melepurath Deepa

INDIAN INSTITUTE OF TECHNOLOGY - HYDERABAD

Department of Chemistry, Indian Institute of Technology Hyderabad
IITH, Kandi, Sangareddy, Telangana Kandi Telangana (502285)

5. Prof. Praveen Ramamurthy

INDIAN INSTITUTE OF SCIENCE

Materials Engineering Department Indian Institute of
Science Bangalore Karnataka (560012)

6. Dr. Vivek Tiwari

INDIAN INSTITUTE OF SCIENCE

SSCU, Indian Institute of Science Bengaluru Karnataka (560012)

45	Fabrication of Supercapacitor using Graphene Nanoribbons GNRs	1. Dr. Avshish Kumar AMITY INSTITUTE OF ADVANCED RESEARCH AND STUDIES (MATERIALS & DEVICES) Sector-125, Noida, Uttar Pradesh 201313 Noida Uttar Pradesh (201313)	1. Dr. Hrishikesh Dhasmana AMITY INSTITUTE OF ADVANCED RESEARCH AND STUDIES (MATERIALS & DEVICES) G 204, IInd Floor, Stellar Jeevan, Sector 1, Noida extrn., Gr Noida Gr. Noida Uttar Pradesh (201318) 2. Prof. V K jain AMITY INSTITUTE OF ADVANCED RESEARCH AND STUDIES (MATERIALS & DEVICES) C-8/69, Yamuna Viar, Delhi-53 New delhi Delhi (110053)	3 Years and 0 Months	3809520
46	Perovskite Quantum Dot Solar Cells for Renewable Energy Harvesting	1. Dr. Ramachandra Rao K GOVERNMENT COLLEGE (AUTONMOUS) Near Y-Junction, Rajamahendravarm, Andhra Pradesh Rajamahendravarm Andhra Pradesh (533105)	1. Dr. Mallikharjana B GOVERNMENT COLLEGE (AUTONMOUS) Department of Chemistry Government College (A) Rajahmundry Rajhamundry Andhra Pradesh (533105)	3 Years and 0 Months	7938000
47	Experimental and Theoretical	1. Prof. Kajari	1. Dr. Avijit Ghosh	3 Years and 0	8649778

investigation of reduced graphene oxide supported bimetallic and chalcogenide nano-hybrid materials for a solar-hydrogen-fuel cell-thermoelectric generator SH-FC-TG hybrid power device application

Kargupta
JADAVPUR
UNIVERSITY
Prayukti Bhawan,
188, Raja Subodh
Chandra Mallick Rd,
Jadavpur University
Campus Area,
Jadavpur, Kolkata,
West Bengal
700032 JADAVPUR
West
Bengal (700032)

**2. Dr. Subhasis
Roy**
UNIVERSITY OF
CALCUTTA
University of
Calcutta, Kolkata
, India Kolkata West
Bengal (700073)

**3. Prof. Dipali
Banerjee**
INDIAN INSTITUTE
OF ENGINEERING
SCIENCE AND
TECHNOLOGY,
SHIBPUR
Physics Department,
Indian institute of
Engineering science
and
Technology, Shibpur,
Howrah Howrah We
st Bengal (711103)

HERITAGE INST OF TECH

Anandapur, Heritage Institute of Technology Kolkata West
Bengal (700107)

Months

		<p>4. Dr. Mausumi Chattopadhyaya AMITY UNIVERSITY NOIDA Amity Rd, Sector 125, Noida, Uttar Pradesh 201313 New Delhi Delhi (201313)</p>			
48	Nanostructured solid state electrolyte for thin film batteries	<p>1. Prof. Venimadhav IIT KHARAGPUR Kharagpur, West Midnapur, West Bengal 721302 kharagpur West Bengal (721301)</p>	NA	3 Years and 0 Months	10257600
49	Investigations on photoinduced interactions of certain carbazole derivatives with r-graphene oxide incorporated TiO ₂ nanocomposite for Dye Sensitized Solar Cells	<p>1. Dr. Sambathkumar Subramaniyan VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN (AUTONOMOUS), ELAYAMPALAYAM, TIRUCHENGODE, NAMAKKAL 637 205, TAMIL NADU</p>	<p>1. Dr. Ramesh Pugalenti VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN (AUTONOMOUS), ELAYAMPALAYAM, TIRUCHENGODE, NAMAKKAL 637 205, TAMIL NADU</p>	3 Years and 0 Months	3727900

		Elayampalayam Post, Tiruchengode Taluk, Namakkal District 637 205, Tamil Nadu Tiruchengode Tamilnadu (637205)	Assistant Professor, Department of Chemistry, Vivekanandha College of Arts & Sciences for women, Elayampalayam, Tiruchengode, Namakkal District, Tamilnadu Tiruchengode Tamilnadu (637205)		
50	Design and Fabrication of Efficient Inverted Polymer Solar Cells Using Functionalized ZnO Nanoparticles as Electron Transport Layer	<p>1. Dr. Vari Sivaji Reddy NATIONAL INSTITUTE OF TECHNOLOGY CALICUT Department of Physics, NIT Calicut, NIT Campus P. O., Calicut, Kerala, India, Pin - 673 601 kozhikode Kerala (673601)</p>	<p>1. Dr. Parameswaran Pattiyil NATIONAL INSTITUTE OF TECHNOLOGY CALICUT Department of Chemistry, National Institute of Technology Calicut Calicut " 673601, Kerala. Calicut Kerala (673601)</p> <p>2. Dr. Raghu Chatanathodi NATIONAL INSTITUTE OF TECHNOLOGY CALICUT Department of Physics National Institute of Technology Calicut Calicut " 673601, Kerala. Calicut Kerala (673601)</p> <p>3. Dr. Suchand Sangeeth C S NATIONAL INSTITUTE OF TECHNOLOGY CALICUT</p>	3 Years and 0 Months	4800000

Department of Physics National Institute of Technology Calicut Calicut
â€“ 673601, Kerala. Calicut Kerala (673601)

			Department of Physics National Institute of Technology Calicut Calicut â€“ 673601, Kerala. Calicut Kerala (673601)		
51	Carbon Ion Energy Storage System	1. Dr. K M Veerabadran ANNA UNIVERSITY, MADRAS INSTITUTE OF TECHNOLOGY CAMPUS MIT campus, Radha nagar, Chromepet Chennai Tamilnadu (600044)	1. Dr. A Pandurangan ANNA UNIVERSITY R-43, 7th Street, TNHB colony, Velachery, Chennai-600042, TN, India Chennai Tamilnadu (600042)	3 Years and 0 Months	7208000
52	Development of Ultrafast Nickel-Iron Supercapacitors with Nanostructured Electrode Materials	1. Dr. Debasish Sarkar MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR Department of Physics, MNIT Jaipur, JLN Marg, Malaviya Nagar, Jaipur Rajasthan (302017)	1. Prof. Kalyan Mandal S. N. BOSE NATIONAL CENTRE FOR BASIC SCIENCES Block JD, Sector 3, Salt Lake, Kolkata West Bengal (700098) 2. Dr. Kamendra Awasthi MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR	3 Years and 0 Months	9176544

			<p>MNIT Jaipur, JLN Marg, Jaipur Rajasthan (302017)</p> <p>3. Dr. Manoj Kumar MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR</p> <p>Department of Physics, Malaviya National Institute of Technology, JLN Marg, Jaipur Rajasthan (302017)</p>		
53	Design and Development of High-Performance Sodium-Ion Batteries and Hybrid Supercapacitors	<p>1. Dr. R Ananthakumar CENTRAL INSTITUTE OF PLASTIC ENGINEERING AND TECHNOLOGY (CIPET), B/25, CNI Complex, Patia, Bhubaneswar Orissa (751024)</p> <p>2. Dr. Manab Kundu SRM INSTITUTE OF SCIENCE AND TECHNOLOGY Department of Chemistry SRM Institute of Science and Technology Kattankulathur, Kancheepuram District, Tamil Nadu,</p>	<p>1. Dr. B Saravanakumar CENTRAL INSTITUTE OF PLASTICS ENGINEERING AND TECHNOLOGY, BHUBANESWAR B/25, CNI Complex, Patia, Bhubaneswar Bhubaneswar Orissa (751024)</p> <p>2. Dr. Smita Mohanty CENTRAL INSTITUTE OF PLASTICS ENGINEERING AND TECHNOLOGY, BHUBANESWAR B/25, CNI Complex, Patia, Bhubaneswar Bhubaneswar Orissa (751024)</p>	3 Years and 0 Months	9798316

		India Kattankulathur Tamilnadu (603203)			
54	Development of Halide Free Electrolytes for the Fabrication Solid State Magnesium Batteries	1. Dr. Mangalam PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH Avinashi Road, Neelambur Coimbatore - 641062 Neelambur Tamilnadu (641062)	1. Dr. A Kumaravel PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH PSG Institute of Technology and Applied Research, Neelambur, Coimbatore- Coimbatore Tamilnadu (641062) 2. Dr. Y Akila PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH PSG Institute of Technology and Applied Research Neelambur, Coimbatore Coimbatore Tamilnadu (641062)	3 Years and 0 Months	496049800
55	Rechargeable Zinc-Air Battery ZAB for portable electronic devices	1. Dr. K NAGA MAHESH KONERU LAKSHMAIAH EDUCATION FOUNDATION DEEMED TO BE UNIVERSITY	1. Dr. K RAMAKRISHNA K L UNIVERSITY	3 Years and 0 Months	4013000

		GREEN FIELDS, VADDESWAREM, GUNTUR VIJAYAW ADA Andhra Pradesh (522502)	K L UNIVERSITY, VADDESWAREM GUNTUR Andhra Pradesh (522501) 2. Prof. Y ANJANEYULU K L UNIVERSITY K L UNIVERSITY, VADDESWAREM GUNTUR Andhra Pradesh (522502)		
56	Nitrogen Rich Graphene Oxide/Carbon Nanotubes Molecular Assembly for Supercapacitor and Optical Limiting Applications	1. Dr. S Manivannan NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI Thuvakudy, National Highway 67, Tanjore Main Road Tiruchirappalli Tiruchirappalli Tamilnadu (620015)	NA	3 Years and 0 Months	3122491
57	“Nano-Hybrid of 2D Materials and Topological Insulators for Sensing and Energy Applications”	1. Dr. Nandakumar Kalarikkal SCHOOL OF PURE AND APPLIED PHYSICS	1. Dr. Beena Mathew MAHATMA GANDHI UNIVERSITY , KOTTAYAM	5 Years and 0 Months	18524800

		P D Hills P O, Kottayam Kottayam Kerala (686560)	Associate Professor Physical Chemistry School of Chemical Sciences Mahatma Gandhi University Priyadarsini Hills P. O Kottayam-686560 Kerala, India Tel/Fax 91- 481 2731036 Mob 9447145412 Kottayam Kerala (686560)		
58	Performance evaluation of three fluid heat exchanger having nano fluid, water and air to be used with Parabolic Trough Solar Colletcor for simultaneous water heating and space heating purposes	1. Dr. Sudhansu Sekhar Sahoo COLLEGE OF ENGINEERING AND TECHNOLOGY, BHUBANESWAR Ghatikia, Kalinga Nagar, Near Naka Gate BHUBANESWAR B HUBANESWAR Oris sa (751029)	1. Dr. Pramod Kumar Parida COLLEGE OF ENGINEERING AND TECHNOLOGY, BHUBANESWAR CET Bhubaneswar Bhubaneswar Orissa (751003)	3 Years and 0 Months	2875000
59	Development of High-Performance Semiconductor by Addition of Nanoscale Dispersants for Harvesting Energy of Elevated Temperature System	1. Dr. NARENDRA DHOKEY COLLEGE OF ENGINEERING PUNE College of Engineering Pune Wellesely Road Shivajinagar Pune 411005 M.S. PUNE Mahara shtra (411005)	1. Dr. VAISHALI PODDAR COLLEGE OF ENGINEERING PUNE College of Engineering Pune, Shivajinagar, Wellesley Road, Pune - 411005 Pune Maharashtra (411005)	3 Years and 0 Months	7540800
60	Development and scale-up of robust nanostructured carbon	1. Dr. Neena Susan John	1. Dr. C V Yelamaggad	3 Years and 0 Months	95359000

based electrodes and their deployment in fabricating energy devices and in water treatment

CENTRE FOR NANO AND SOFT MATTER SCIENCES
Professor UR Rao
Road, Jalahalli Near SBI bank,
Bengaluru,
Karnataka
560013 Bangalore Karnataka (560013)

CENTRE FOR NANO AND SOFT MATTER SCIENCES

Centre for Nano and Soft Matter Sciences PB 1329, Prof. U R Rao Road, Jalahalli Bengaluru Karnataka (560013)

CENTER FOR NANO AND SOFT MATTER SCIENCES, BENGALURU

Centre for Nano and Soft Matter Sciences (CeNS), P.B. No. 1329, Jalahalli, Bengaluru-560013 Bengaluru Karnataka (560013)

3. Dr. H S S Ramakrishna Matte

CENTRE FOR NANO AND SOFT MATTER SCIENCES

Centre for Nano and Soft Matter Sciences (CeNS), P.B. No. 1329, Jalahalli, Bengaluru-560013 Bangalore Karnataka (560013)

4. Dr. Kaliyan Hembram

INTERNATIONAL ADVANCED RESEARCH CENTER FOR POWDER METALLURGY AND NEW MATERIALS

International Advanced Research Centre for Powder Metallurgy and New Materials ARCI, Balapur P.O., Hyderabad -500005, Telangana, India Hyderabad Telangana (500005)

5. Dr. Neha Yeshwanta Hebalkar

INTERNATIONAL ADVANCED RESEARCH CENTER FOR POWDER METALLURGY AND NEW MATERIALS

International Advanced Research Centre for Powder Metallurgy and New Materials ARCI, Balapur P.O., Hyderabad -500005, Telangana, India Hyderabad Telangana (500005)

6. Dr. Pavan Srinivas Veluri

INTERNATIONAL ADVANCED RESEARCH CENTER FOR POWDER METALLURGY AND NEW MATERIALS

International Advanced Research Centre for Powder Metallurgy and New Materials ARCI, Balapur P.O., Hyderabad -500005, Telangana, India Hyderabad Telangana (500005)

7. Dr. Pralay K Santra

CENTRE FOR NANO AND SOFT MATTER SCIENCES

Centre for Nano and Soft Matter Sciences, PB 1329, Prof. U R Rao Road, Jalahallao Bangalore Karnataka (560013)

8. Dr. S Angappane

CENTRE FOR NANO AND SOFT MATTER SCIENCES

Centre for Nano and Soft Matter Sciences PB 1329, Prof. U R Rao Road, Jalahalli Bangalore Karnataka (560013)

9. Dr. Tata Narasinga Rao

INTERNATIONAL ADVANCED RESEARCH CENTER FOR POWDER METALLURGY AND NEW MATERIALS

International Advanced Research Centre for Powder Metallurgy and New Materials ARCI, Balapur P.O., Hyderabad , Telangana, India Hyderabad Telangana (500005)

10. Dr. V Ganapathy

INTERNATIONAL ADVANCED RESEARCH CENTER FOR POWDER METALLURGY AND NEW MATERIALS

International Advanced Research Centre for Powder Metallurgy and New Materials ARCI, Balapur P.O., Hyderabad -500005, Telangana, India Hyderabad Telangana (500005)

61	Reduced graphene oxide wrapped XY ₂ O ₄ (X= Zn, Cu; Y=Mn, Fe) hybrid hollow nano-/microspheres for high performance Li-ion batteries	<p>1. Dr. PITCHERI ROSAIAH PAAVAI ENGINEERING COLLEGE (AUTONOMOUS) Paavai Engineering College (Autonomous), Paavai Nagar, NH-7, Pachal, Namakkal District Pachal Tamil nadu (637018)</p>	<p>1. Dr. G PRATHIBHA MALLA REDDY INSTITUTE OF TECHNOLOGY 25-3-296, LAKE VIEW COLONY LANE-3, PODALAKUR ROAD, NELLORE NELLORE Andhra Pradesh (524001)</p> <p>2. Dr. S VADIVEL PAAVAI ENGINEERING COLLEGE Dr.S.VADIVEL PROFESSOR & HEAD DEPARTMENT OF PHYSICS PAAVAI ENGINEERING COLLEGE PACHAL, NAMAKKAL-637018 TAMILNADU INDIA NAMAKKAL Tamilnadu (637018)</p>	3 Years and 0 Months	3355000
62	Development of 2D MoS ₂ composite based membranes for water purification	<p>1. Prof. OM PRAKASH SINHA AMITY INSTITUTE OF NANOTECHNOLOGY, AMITY UNIVERSITY UTTAR PRADESH SECTOR, 125, NOIDA Noida Uttar Pradesh (201313)</p>	<p>1. Dr. Asha Anish Madhavan AMITY UNIVERSITY UTTAR PRADESH AMITY UNIVERSITY UTTAR PRADESH, NOIDA (DUBAI CAMPUS) NOIDA Uttar Pradesh (221313)</p>	3 Years and 0 Months	4626220

63	Development of metal oxide nanoparticle impregnated electrodes to increase hydrogen evolution in solar assisted microbial electrolysis cells treating industrial wastewater	<p>1. Dr. Yogalakshmi K N CENTRAL UNIVERSITY OF PUNJAB PO Box 55 Mansa road Bathinda Punjab (151001)</p> <p>2. Prof. Neeraj Dilbaghi GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND TECHNOLOGY, HISAR Guru Jambheshwar University of Science & Technology, Hisar, 125001 Hisar Haryana (125001)</p>	<p>1. Dr. Sandeep Kumar GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND TECHNOLOGY, HISAR Guru Jambheshwar University of Science & Technology, Hisar, 125001 Hisar Haryana (125001)</p> <p>2. Prof. VK Garg CENTRAL UNIVERSITY OF PUNJAB Central University of Punjab PO Box 55 Mansa road Bathinda Punjab (151001)</p>	3 Years and 0 Months	7659060
64	Development of Flexible and Conducting Membrane of Carbon Nanostructures for Nanofiltration Applications	<p>1. Prof. Anchal Srivastava BANARAS HINDU UNIVERSITY, VARANASI 221005, INDIA Banaras Hindu University Varanasi, India Varanasi Uttar Pradesh (221005)</p>	NA	3 Years and 0 Months	4081264
65	Graphene/Metal Oxide	1. Dr. Arun Singh	NA	3 Years and 0 Months	18198220

	photocatalytic Hydrogen Production for Green Energy	JAMIA MILIA ISLAMIA, CENTRAL UNIVERSITY Jamia Milia Islamia, Jamia Nagar New Delhi Delhi (110025)		Months	
66	Nanoparticle Aggregation to Pore Structure Formation Determine the Controlling Parameters Through Experimentation and Modeling	1. Dr. Manoranjan Sahu INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY, CESE Office, DESE/CESE Building IIT, Powai Mumbai-400076 Powai Maharashtra (495671)	1. Dr. Basudev Biswal IIT BOMBAY Office #218, Civil Building IIT Bombay, Powai Mumbai-400076 Mumbai Maharashtra (400076)	3 Years and 0 Months	103160000
67	Nanomaterials Modified Textured Conductive Feed Spacers for the Membrane Technology	1. Dr. Swatantra Pratap Singh INDIAN INSTITUTE OF TECHNOLOGY BOMBAY Department of Environmental Science and Engineering , IIT Bombay, Powai, Mumbai-400076 Bombay Maharashtra (400076)	1. Dr. Amritanshu Shrivastav INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, MUMBAI Environmental science and engineering Department , IIT Bombay Mumbai Maharashtra (400076) 2. Dr. Suresh jain INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI, TIRUPATI	3 Years and 0 Months	8933100

			Department of Civil and Environmental Engineering, IIT Tirupati 517506 Tirupati Andhra Pradesh (517506)		
68	Development of thermoelectric power generators for remote/wireless sensing, with III-Nitride-based nanostructures	<p>1. Prof. Apurba Laha IIT BOMBAY Powai, Mumbai Powai, Mumbai Maharashtra (400076)</p> <p>2. Prof. Titas Dasgupta IIT BOMBAY Powai, MUMBAI MUMBAI Maharashtra (400076)</p>	<p>1. Prof. Suddhasatta Mahapatra IIT BOMBAY Powai, MUMBAI 400076 MUMBAI Maharashtra (400076)</p>	3 Years and 0 Months	27449152.5
69	Design and development of nano enhanced bio PCM based passive cooling system for movable shelter house	<p>1. Dr. Manish K Rathod SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT Sardar Vallabhbhai National Institute of Technology, Ichchhanath Circle, Athwa, Surat, Gujarat 395007 Surat Gujar</p>	<p>1. Dr. Dibakar Rakshit INDIAN INSTITUTE OF TECHNOLOGY DELHI Centre for Energy Studies Indian Institute of Technology Delhi Hauz Khas, New Delhi " 110016 Delhi Delhi (110016)</p>	3 Years and 0 Months	10139232

at (395007)

2. Dr. Jyotirmay Banerjee

SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY,
SURAT

Mechanical Engineering Department, S. V. National Institute of
Technology, Ichchhanath Surat SURAT Gujarat (395007)

3. Dr. Sampa Saha

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Department of Materials Science and Engineering Room No: TX-102,
Indian Institute of Technology Delhi Hauz Khas, New Delhi-110016,
India Delhi Delhi (110016)

70	Biosynthesis of selenium nanoparticles and its application in lipase immobilization for biodiesel production	1. Dr. Abhishek Kumar Singh CHANDIGARH UNIVERSITY House No. - 1458, 2nd floor, Gillco Valley, Extension 3, Mohali Punjab (14 0413)	1. Dr. Neelam Prabha Negi CHANDIGARH UNIVERSITY University Institute of Biotechnology, Chandigarh University Mohali Punjab (140413)	3 Years and 0 Months	3152440
----	--	---	---	-------------------------	---------

			<p>2. Prof. Zaved Ahmed Khan CHANDIGARH UNIVERSITY Department of Biotech Engineering University Institute of Engineering Chandigarh University, NH-95 Chandigarh-Ludhiana Highway, Mohali, Punjab, India Mohali Punjab (140413)</p>		
71	Development of high performance H ₂ /CO ₂ fuel cells driven by the photocatalysis of water and atmospheric CO ₂ for powering smart traffic control system	<p>1. Dr. G Gnana kumar MADURAI KAMARAJ UNIVSERSITY Madurai Kamaraj University, Palkalai Nagar, Madurai Palkalai Nagar Tamilnadu (625021)</p>	<p>1. Dr. J Annaraj MADURAI KAMARAJ UNIVSERSITY Department of Materials Science, Madurai Kamaraj University, Madurai-625021, Tamil Nadu Madurai Tamilnadu (625021)</p> <p>2. Dr. Ujjwal Pal INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY CSIR-Indian Institute of Chemical Technology Tarnaka, Habsiguda, Hyderabad-500007, India Hyderabad Telangana (500007)</p>	3 Years and 0 Months	8828800
72	Development of Porous Nanocarbon-based Electrocatalyst and Sustainable Production of Alternative Fuel from Waste	<p>1. Dr. Apurba Kumar Das INDIAN INSTITUTE OF TECHNOLOGY INDORE</p>	<p>1. Dr. Apurba Lal Koner INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHOPAL</p>	3 Years and 0 Months	13350720

	Plastic	Khandwa Road, Simrol Indore Madhya Pradesh (453552)	Bhopal Bypass Road, Bhauri Bhopal Madhya Pradesh (462066) 2. Dr. Sankar Chakma INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHOPAL Bhopal Bypass Road, Bhauri Bhopal Madhya Pradesh (462066) 3. Dr. Supriya Saha NORTH EAST INSTITUTE OF SCIENCE AND TECHNOLOGY, JORHAT NH-37, Pulibor, Jorhat Jorhat Assam (785006)		
73	Pushing up the Efficiency of CZT(S,Se) Quantum Dots/Thin film Sensitized Whisperonic Solar Cell Devices (QDSWSC/TFSWSC)	1. Dr. Sudakar Chandran INDIAN INSTITUTE OF TECHNOLOGY MADRAS INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI 600036 Chennai Tamilnadu (600036)	NA	3 Years and 0 Months	8942000
74	Development of Cost Effective and High Efficiency Perovskite/Inorganic thin film based Solid-State Tandem	1. Dr. SHYJU T S SATHYABAMA INSTITUTE OF SCIENCE AND	1. Mr. P VENGATESH SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY	3 Years and 0 Months	14939600

	Solar Cells	<p>TECHNOLOGY</p> <p>Sathyabama Institute of Science and Technology Deemed to be University Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119. Tamilnadu, INDIA. Chennai Tamilnadu (600119)</p> <p>2. Dr. P KUPPUSAMI SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY Jeppiaar Nagar, Rajiv Gandhi Salai, CHENNAI Tamilnadu (600119)</p> <p>3. Dr. G Murugadoss SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY Jeppiaar Nagar, Rajiv Gandhi Salai, CHENNAI Tamilnadu (600119)</p>	<p>Jeppiaar Nagar, Rajiv Gandhi Salai CHENNAI Tamilnadu (600119)</p> <p>2. Dr. S ANANDHI SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY</p> <p>Jeppiaar Nagar, Rajiv Gandhi Salai, CHENNAI Tamilnadu (600119)</p>		
75	Development of novel Chalcogenides based hybrid	1. Dr. Geetha Priyadarshini	1. Dr. Anuradha M Ashok	3 Years and 0 Months	8100608

	thermoelectric sensors to detect low-level H2S concentration	<p>PSG INSTITUTE OF ADVANCED STUDIES Post Box No. 1609, Avinashi road, Coimbatore 641004 Coimbatore Tamilnadu (641004)</p>	<p>PSG INSTITUTE OF ADVANCED STUDIES Nanotech Research Innovation amp Incubation Centre PSG Institute of Advanced Studies, Peelamedu Coimbatore- 641004, Tamil Nadu, INDIA coimbatore Tamilnadu (641004)</p> <p>2. Dr. Manjusha Battabyal INTERNATIONAL ADVANCED RESEARCH CENTER FOR POWDER METALLURGY AND NEW MATERIALS IIT M Research Park, 8 th Floor, 1 st Phase Centre for Automotive Energy Materials ARCI, Taramani, Chennai Chennai Tamilnadu (600113)</p> <p>3. Dr. P Biji PSG INSTITUTE OF ADVANCED STUDIES Nanotech Research Innovation amp Incubation Centre PSG Institute of Advanced Studies, Peelamedu Coimbatore- 641004, Tamil Nadu, INDIA coimbatore Tamilnadu (641004)</p>		
76	Multi-electron K-ion Battery Systems Design and Development: A combined computational and experimental study	1. Dr. Dhamodaran Santhanagopalan CENTER FOR NANOSCIENCES, AMRITA VISHWA VIDYAPEETHAM	1. Dr. Anjali Singh CENTER FOR STUDY OF SCIENCE TECHNOLOGY AND POLICY	3 Years and 0 Months	27925880

Amrita Centre for
Nanosciences
Amrita Institute of
Medical Sciences,
Amrita Vishwa
Vidyapeetham AIMS
Ponekkara P. O.,
Kochi, Kerala -
682041,
India. Kochi Kerala (
682041)

**2. Dr. Mridula Dixit
Bharadwaj**

CENTER FOR
STUDY OF
SCIENCE
TECHNOLOGY
AND POLICY
CSTEP, No. 205,
206, 301, IHDP
Bussiness Park,
Plot. No. 7, Sector
127, Noida,
UP. Noida Uttar
Pradesh (201313)

**3. Prof. Umesh
Vasudeo
Waghmare**

JAWAHARLAL
NEHRU CENTRE
FOR ADVANCED
SCIENTIFIC
RESEARCH
(JNCASR)

CSTEp, No. 18, 10th Cross, Mayura Street, RMV II Stage,
Bengaluru Bengaluru Karnataka (560094)

2. Dr. Binitha Gangaja

CENTER FOR NANOSCIENCES, AMRITA VISHWA VIDYAPEETHAM

Centre for Nanosciences, Amrita Vishwa Vidyapeetham, AIMS (P.O),
Ponekkara, Kochi. Ernakulam Kerala (682041)

3. Prof. Shantikumar V Nair

CENTER FOR NANOSCIENCES, AMRITA VISHWA VIDYAPEETHAM

		JNCASR, Jakkur, Bangalore Bengaluru Karnataka (560064)	Centre for Nanosciences, Amrita Vishwa Vidyapeetham, AIMS (P.O), Ponekkara, Kochi. Ernakulam Kerala (682041)		
77	Green Nanotech construction: A solar energy harvesting glass	1. Dr. Samarth Trivedi NAVRACHANA UNIVERSITY Navrachana University, Vasna Bhayli Road, Vadodara vadodara Gujarat (391410)	NA	3 Years and 0 Months	3870000
78	Development of Solar Supercapacitors – An Experimental and Computational study.	1. Dr. Hareesh K REVA UNIVERSITY kattegenhalli , Yelahanka Bengaluru Karnataka (560064)	NA	3 Years and 0 Months	3590400
79	Development of Semi-Transparent Solar Panels for Windows	1. Dr. S U Prabha SRI RAMAKRISHNA ENGINEERING COLLEGE Sri Ramakrishna Engineering College, Vattamalaipalayam, NGGO Colony Po, Coimbatore Tamilnadu (641022)	1. Dr. C Kathirvel SRI RAMAKRISHNA ENGINEERING COLLEGE Dr. C. Kathirvel Associate Professor Electrical and Electronics Engineering Sri Ramakrishna Engineering College, Vattamalaipalayam, Coimbatore – 641022 Coimbatore Tamilnadu (641022) 2. Dr. S Sathiesh Kumar	3 Years and 0 Months	7166000

SRI RAMAKRISHNA ENGINEERING COLLEGE

Assistant Professor Nanoscience and Technology Sri Ramakrishna Engineering College, Vattamalaipalayam, Coimbatore “ 641022 Coimbatore Tamilnadu (641022)

			<p>SRI RAMAKRISHNA ENGINEERING COLLEGE</p> <p>Assistant Professor Nanoscience and Technology Sri Ramakrishna Engineering College, Vattamalaipalayam, Coimbatore “ 641022 Coimbatore Tamilnadu (641022)</p>		
80	Organic-Inorganic Hybrid Nanomaterials for Non-Conventional Energy Technologies	<p>1. Dr. Ayyappanpillai Ajayaghosh CSIR NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY(NIIST) Industrial Estate P.O, Pappanamcode, Thiruvananthapuram - 695019 Thiruvananthapuram Kerala (695019)</p>	<p>1. Dr. P Sujatha Devi</p> <p>NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY</p> <p>CSIR-NIIST, Industrial Estate P. O., Thiruvananthapuram 695019, India Thiruvananthapuram Kerala (695019)</p>	3 Years and 0 Months	118800000
81	Employment of Melt Processing Route for Manufacturing of Nanocellulose-Graphene Reinforced Polyaniline Composite Supercapacitor Electrodes for Mass Production	<p>1. Dr. Sandeep Sureshroo Ahankari VELLORE INSTITUTE OF TECHNOLOGY Ranipet Katpadi Road Vellore, Tamil Nadu, India, Pin Code “ 632 014 vellore Tamilnadu (632014)</p>	<p>1. Dr. Nirmala Grace A</p> <p>VELLORE INSTITUTE OF TECHNOLOGY</p> <p>Professor & Director, Centre for Nanotechnology Research VIT, Vellore - 632 014, Tamil Nadu, India Vellore Tamilnadu (632014)</p>	3 Years and 0 Months	13220560

82	Plasmonic Nanoparticle Decorated CuxOy/ZnO Nanostructures for Low-cost Solar Cell	<p>1. Dr. Soumyaranjan Routray SRM INSTITUTE OF SCIENCE AND TECHNOLOGY (FORMERLY SRM UNIVERSITY) SRM Nagar, Kattankulathur - 603 203 Kancheepuram District, Tamil Nadu Chennai Tamil nadu (603203)</p> <p>2. Dr. Kumar Prasannajit Pradhan INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING KANCHEEPURAM IIITDampM Kancheepuram Indian Institute of Information Technology Design amp Manufacturing Melakottaiyur, Vandalur-Kelambakkam Road, Chennai, Tamilnadu, India Chennai Tamil nadu (600127)</p>	<p>1. Dr. Y Ashok Kumar Reddy</p> <p>INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING KANCHEEPURAM</p> <p>IIITD&M Kancheepuram (Indian Institute of Information Technology Design & Manufacturing) Melakottaiyur, Vandalur-Kelambakkam Road, Chennai, India Chennai Tamilnadu (600127)</p>	3 Years and 0 Months	6582400
----	---	--	--	----------------------	---------

83	Nanostructured Thin Film Capacitors of Environmentally-Friendly Antiferroelectrics for High Energy Storage Applications	1. Dr. Satyendra Singh JAWAHARLAL NEHRU UNIVERSITY Aruna Asaf Ali Marg New Delhi Delhi (110067)	NA	3 Years and 0 Months	9870600
84	Investigation and development of deep eutectic solid and semi-solid nanomaterials for Metal-Air battery application	1. Dr. SAMINATHAN KONGUNADU ARTS AND SCIENCE COLLEGE G.N MILLS POST, COIMBATORE- 641029, TAMILNADU, INDIA. Coimbatore Tamilnadu (641029)	1. Dr. SELVAM K S RANGASAMY COLLEGE OF TECHNOLOGY Assistant Professor Center for Nano Science and Technology K S Rangasamy College of Technology Tiruchengode - 637 215 Namakkal (Dt.), Tamil Nadu, India Tiruchengode Tamilnadu (637215)	3 Years and 0 Months	2980000
85	Controlled growth of graded electrodes of porous nanostructures derived from layered transition metal oxides for next generation supercapacitors.	1. Prof. Amreesh Chandra INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR, KHARAGPUR Kharagpur, PIN- 721302 Kharagpur West Bengal (721302)	1. Prof. Chandra Shekhar Tiwary IIT KHARAGPUR Department of Metallurgical and Materials Engineering Indian Institute of Technology, Kharagpur, WB, India Shyamnagar West Bengal (721302)	3 Years and 0 Months	23028000

			<p>2. Dr. Vinita G Gupta BHABHA ATOMIC RESEARCH CENTER Scientific Officer (F) >>>> Chemistry Division Bhabha Atomic Research Centre Mumbai-400085 Delhi Delhi (400085)</p>		
86	Photoredox cocatalyst functionalized photocathodes for concerted electron-proton transfer in photoelectrochemical carbon dioxide reduction	<p>1. Dr. sakthivel kandaiah REVA UNIVERSITY kattegenhalli , Yelahanka Bengaluru Karnataka (560064)</p>	NA	3 Years and 0 Months	2624000
87	Development of Thermo-chromic Paints and Window Films Using VO ₂ Nanocomposites for Energy Conservation; feasibility of VO ₂ Nanocomposites for Wastewater Remediation.	<p>1. Dr. Brijnandan Singh Dehiya DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE AND TECHNOLOGY Murthal, Sonapat-131039 Haryana, India Murthal Haryana (131039)</p>	<p>1. Dr. Anil Kumar Yadav DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE AND TECHNOLOGY, MURTHAL C-12, University Campus, DCRUST, Murthal Sonapat Haryana (131039)</p> <p>2. Dr. Chandrajit Balomajumder INDIAN INSTITUTE OF TECHNOLOGY , ROORKEE Dept of Chemical Engineering, IIT Roorkee, Haridwar Roorkee Uttarakhand (247667)</p>	3 Years and 0 Months	4443000

88	EFFECTIVE REMOVAL OF HEAVY METAL IONS AND ORGANIC POLLUTANTS FROM ENVIRONMENT USING PHYCOMOLECULE COATED NOVEL BIMETALLIC ZnO/TiO2 NANOCATALYST A GREEN APPROACH	<p>1. Prof. Venkatachalam PERIYAR UNIVERSITY Periyar Palkalai Nagar Periyar University Salem Tamilnadu (636011)</p> <p>2. Prof. C Jayabaskaran INDIAN INSTITUTE OF SCIENCE BANGALORE Department of Biochemistry, Indian Institute of Science, Bangalore-560012 Tirunelveli Tamilnadu (560012)</p> <p>3. Prof. N Geetha BHARATHIAR UNIVERSITY Department of Botany Bharathiar University, Coimbatore-46 Ariyalur Tamilnadu (641046)</p>	NA	3 Years and 0 Months	10880640
89	Synthesis of pure/doped metal oxide nanostructures and study of their electrochemical performance for energy storage	<p>1. Dr. B DHANALAKSHMI AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY</p>	NA	3 Years and 0 Months	3747000

	applications	(AVIT) Vinayaka Nagar, Old Mahabalipuram Road, Paiyanoor Kancheepuram Dist, Chennai-603104 Tamil Nadu, India. Chennai Tamil nadu (603104)			
90	Development of Nanostructured Surface for Alleviating Ice Formation on Offshore Wind Turbine Blades	1. Dr. Vivek Anand MLR INSTITUTE OF TECHNOLOGY HYERADBAD Near Gandimysamma Police Station Road, Dundigal, Quthbullapur, Hyderabad, Telangana Hyderabad Telangana (500043)	1. Dr. Karthik Rajendra MLR INSTITUTE OF TECHNOLOGY Dept. of Electronics amp Communication, MLR Institute of Technology Laxman Reddy Avenue, Dundigal, Quthbullapur Mandal, Hyderabad-043, Telangana, India. Hyderabad Telangana (500043) 2. Dr. Mahendra Vucha MLR INSTITUTE OF TECHNOLOGY MLR Institute of Technology, Laxman Reddy Avenue, Dundigal, Quthbullapur Mandal, Hyderabad " 500 043, Telangana, India. Hyderabad Telangana (500043) 3. Dr. Muhammed Anaz Khan MLR INSTITUTE OF TECHNOLOGY	3 Years and 0 Months	4281000

MLR Institute of Technology, Laxman Reddy Avenue, Dundigal, Quthbullapur Mandal, Hyderabad - 500 043, Telangana, India. Hyderabad Telangana (500043)

4. Dr. Satya Narayana gupta

MLR INSTITUTE OF TECHNOLOGY

MLR Institute of Technology, Laxman Reddy Avenue, Dundigal, Quthbullapur Mandal, Hyderabad - 500 043, Telangana, India. Hyderabad Telangana (500043)

91	Use of "cleanly manufactured" nano-catalysts and related interventions to reduce the ecological footprints and the costs of microbial fuel cells MFCs	1. Prof. S A Abbasi PONDICHERRY UNIVERSITY R.V.Nagar, Kalapet, Puducherry - 605014. PUDUCHERRY Pondicherry (605014)	1. Prof. N A Siddiqui UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Department of Health Safety, Environment and Civil Engg., Universtiy of Petroleum and Energy Studies, Energy Acres, Bhidoli Campus, Via Premnagar, Dehradun-Uttarkhand Dehradun Uttarakhand (248007) 2. Dr. S M Tauseef UNIVERSITY OF PETROLEUM AND ENERGY STUDIES	3 Years and 0 Months	6270000
----	---	--	---	----------------------	---------

Department of Health Safety, Environment and Civil Engg., Universtiy of Petroleum and Energy Studies, Energy Acres, Bhidoli Campus, Via Premnagar, Dehradun-Uttarkhand Dehradu Uttarakhand (248007)

3. Ms. Tabassum Abbasi

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

Department of Health Safety, Environment and Civil Engg., Universtiy of Petroleum and Energy Studies, Energy Acres, Bhidoli Campus, Via Premnagar, Dehradun-Uttarkhand Dehradun Uttarakhand (248007)

4. Dr. Tasneem Abbasi

PONDICHERRY UNIVERSITY

Centre for Pollution Control and Environmental Engineering, Pondicherry University, Puducherry Kalapet Pondicherry (605014)

92	NanoEOR A novel technology for enhanced oil recovery using grafted nanohybrids	1. Dr. Akhil Agrawal CENTRAL UNIVERSITY OF RAJASTHAN	1. Dr. Lalita Ledwani MANIPAL UNIVERSITY JAIPUR	3 Years and 0 Months	8551200
----	--	--	---	----------------------	---------

		<p>CENTRAL UNIVERSITY OF RAJASTHAN NH-8, Bandar Sindri, Dist- Ajmer, Rajasthan Bandar Sindri Rajasthan (30 5817)</p>	<p>Manipal University Jaipur, Department of Chemistry Dehmi Kalan, Off Jaipur Ajmer Highway Jaipur Rajasthan (303007)</p> <p>2. Dr. Meeta Lavania THE ENERGY AND RESOURCES INSTITUTE (TERI)</p> <p>India Habitat Center, Lodhi Road, New Delhi 110003 Delhi Delhi (110003)</p> <p>3. Dr. Surendra Nimesh CENTRAL UNIVERSITY OF RAJASTHAN DEPARTMENT OF BIOTECHNOLOGY, CENTRAL UNIVERSITY OF RAJASTHAN, NH-8, BANDARSINDRI, KISHANGARH Ajmer Rajasthan (305817)</p>		
93	Multimode Power Bank for Electric Vehicles with Hybrid Energy Storage MPBEV	<p>1. Dr. Prasanth Raghavan COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY Dept. of PSRT, Cochin University of Science and Technology, Cochin Kochi Kerala (682022)</p>	<p>1. Dr. Meera Balachandran AMRITA VISHWA VIDYAPEETHAM</p> <p>Chemical Engineering and Materials Science, Amrita School of Engineering, Coimbatore, Amrita VishwaVidyapeetham, Coimbatore, Tamil Nadu, India Coimbatore Tamilnadu (641112)</p>	3 Years and 0 Months	16039506

			<p>2. Dr. Nikhil K Kothurkar AMRITA VISHWA VIDYAPEETHAM Chemical Engineering and Materials Science, Amrita School of Engineering, Coimbatore, Amrita Vishwa Vidyapeetham, Coimbatore, Tamil Nadu, India Coimbatore Tamilnadu (641112)</p>		
94	Development of nano-engineered CuS/2D material on 3D porous corrosion free nickel substrate current collector as structurally stable super-fast	<p>1. Dr. Sakunthala A KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES Karunya Nagar, Coimbatore Coimbatore Tamilnadu (641114)</p>	<p>1. Prof. Rajesh S KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES Department of Physics Karunya Institute of Technology and Sciences, Coimbatore 641114 Coimbatore Tamilnadu (641114)</p>	3 Years and 0 Months	4635400
95	Synthesis and Characterization of Nano-enhanced Phase Change Materials as thermal energy storage media for buildings	<p>1. Dr. S Shanmuga Priya MANIPAL ACADEMY OF HIGHER EDUCATION Associate Professor, Department of Chemical Engineering, Manipal Institute of Technology, Manipal University, Manipal - 576104. Karnataka Manipal</p>	<p>1. Dr. K Sudhakar MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL NIT Bhopal Bhopal Madhya Pradesh (462003)</p>	3 Years and 0 Months	2876000

		Karnataka (576104)			
96	Visible Light Driven Water Splitting with Hetero Atom Doped Carbon Quantum Dots Modified Graphitic Carbon Nitride	1. Dr. Arindam Indra IITBHU VARANASI Dept of chemistry, IIT BHU varanasi India 221005 Varanasi Utt ar Pradesh (221005)	1. Dr. Avishek Saha CSIR CENTRAL SCIENTIFIC INSTRUMENTS ORGANISATION CSIR-CSIO, Chandigarh-160030, India Chandigarh Chandigarh (160030)	3 Years and 0 Months	6380000
97	DESIGN OF TiO2 NANO-STRUCTURED BASED CHEMIREISTIVE SENSOR FOR THE DETECTION OF TOXIC, FLAMABLE AND EXAUST GASES	1. Dr. Rakesh Kumar Karn SASTRA DEEMED TO BE UNIVERSITY SASTRA Deemed University, Tirumalaisamudram Thanjavur Tamilnad u (613401)	1. Dr. S K Pandiyan SASTRA DEEMED TO BE UNIVERSITY Dept of ECE, SASTRA Deemed to be University Thanjavur Tamilnadu (613401)	3 Years and 0 Months	1475100
98	Investigation on Metallic pyrophosphate /Carbon composite for Energy application	1. Dr. T PAZHANIVEL PERIYAR UNIVERSITY Assistant Professor, Department of Physics, Periyar Palkalai Nagar Periyar University Salem Ta	1. Dr. R Shankar BHARATHIAR UNIVERSITY Bharathiyar university, coimbatore Bharathiyar university Tamilnadu (641046)	3 Years and 0 Months	4700000

milnadu (636011)

99	Advanced nanomaterials development, interfacial studies at nanoscale and deployment for battery chemistry beyond current Li-ion system	1. Prof. Sagar Mitra IIT BOMBAY Powai, Mumbai Powai, Mumbai Maharashtra a (400076)	1. Dr. Amartya Mukhopadhyay IIT BOMBAY IIT Bombay, Powai Mumbai Maharashtra (400076) 2. Dr. Amit Gupta IIT DELHI IIT Delhi Hauz Khus Delhi Delhi (110016) 3. Dr. Bimlesh Lochab SHIV NADAR UNIVERSITY Department of Chemistry, School of Natural Sciences, Shiv Nadar University, NH-91, Tehsil Dadri, Gautam Buddha Nagar 201314, Uttar Pradesh Gautam Budda Nagar Uttar Pradesh (201314) 4. Dr. Deepa M INDIAN INSTITUTE OF TECHNOLOGY - HYDERABAD	3 Years and 0 Months	56078400
----	--	--	--	----------------------	----------

a Department of Chemistry, IIT Hyderabad, Kandi 502285, Sangareddy, Telangana Hyderabad Telangana (502285)

5. Dr. Priya Soni

SHIV NADAR UNIVERSITY

Department of Physics, Center for Informatics, School of Natural Sciences Full Address: Department of Physics, Center for Informatics, School of Natural Sciences, Shiv Nadar University, NH-91, Tehsil Gautam Buddha Nagar Uttar Pradesh (201314)

6. Prof. Rajendra Kr Singh

BANARAS HINDU UNIVERSITY

Department of Physics, Institute of Science, Banaras Hindu University, Varanasi Varanasi Uttar Pradesh (221005)

100	Nano-composite Polymer Electrolyte for Clean Energy Applications	1. Prof. KAUSHIK PAL BHARAT UNIVERSITY 173, New Agaram Road, Selaiyur, Chennai, Tamil Nadu CHENNAI Tamilnadu (600073)	1. Dr. Kumar Gautam QUANTUM RESEARCH AND CENTRE OF EXCELLENCE Plot-6, Sector-11, Dwarka, Southwest, New Delhi, Delhi New Delhi Delhi (110075)	3 Years and 0 Months	2400000
-----	--	--	--	----------------------	---------

101	Exploring the physicochemical properties of hercynite nanoparticles for hyperthermia and nanogenerator applications	<p>1. Dr. Mandar Mukund Shirolkar SYMBIOSIS CENTER FOR NANOSCIENCE AND NANOTECHNOLOGY Symbiosis Center for Nanoscience and Nanotechnology, Symbiosis International (Deemed University) Near Lupin Research Park, Lavale, Mulshi, Pune 412115, Maharashtra, India. Office Telephone: +91-020-28 Pune Maharashtra (412115)</p>	<p>1. Dr. Atul Kulkarni SYMBIOSIS CENTER FOR NANOSCIENCE AND NANOTECHNOLOGY Symbiosis center for Nanoscience and Nanotechnology (SCNN) Symbiosis International (Deemed University) Pune Maharashtra (412115)</p>	3 Years and 0 Months	47550000
102	Development of mixed metal oxide polymeric membrane photocatalytic reactor for removal of pollutants in industrial wastewater	<p>1. Dr. L RENUKA RAJALAKSHMI ENGINEERING COLLEGE Thandalam Chennai Tamilnadu (602105)</p> <p>2. Dr. Raghuram Chetty IIT MADRAS IIT, Chennai Chennai Ta</p>	<p>1. Dr. D Mohan RAJALAKSHMI ENGINEERING COLLEGE Rajalakshmi Nagar, Thandalam Chennai Tamilnadu (602105)</p> <p>2. Dr. Mathava Kumar S INDIAN INSTITUTE OF TECHNOLOGY MADRAS IITM, chennai chennai Tamilnadu (600036)</p>	3 Years and 0 Months	9608070

		milnadu (600036)			
103	Transition metal oxides based nanostructures for photoelectrochemical water splitting.	1. Prof. KALYAN MANDAL S. N. BOSE NATIONAL CENTRE FOR BASIC SCIENCES S. N. Bose National Centre for Basic Sciences JD Block, Sector III Salt Lake City, Kolkata - 700106 Salt Lake City West Bengal (700106)	NA	3 Years and 0 Months	7372032
104	Magnetocaloric Effect in bi-magnetic nanocomposite for magnetic refrigeration application	1. Dr. Manoranjan Kar INDIAN INSTITUTE OF TECHNOLOGY PATNA IIT PATNA, BIHTA Patna Bihar (801103)	NA	3 Years and 0 Months	7758144
105	Interface engineering of silicon nanostructures based anode and garnet based solid electrolyte for high performance solid state lithium ion batteries	1. Dr. Balaji Bhargav SRI SIVASUBRAMANIY A NADAR (SSN) COLLEGE OF ENGINEERING Old Mahabalipuram, Kalavakkam Kalava kkam Tamilnadu (60	1. Mr. Balaji C SSN COLLEGE OF ENGINEERING SSN College of engineering, Kalavakkam Chennai Tamilnadu (603110) 2. Mr. Nafis Ahmed SSN COLLEGE OF ENGINEERING SSN College of Engineering, Rajiv Gandhi Salai, Kalavakkam Chennai Tamilnadu (603110)	3 Years and 0 Months	6298504

		3110)			
106	High efficiency prototype hydrogen fuel cells with UV exposed Nafion-PVDF composite membranes	1. Dr. Jayarama A ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY Alva's Institute Of Engineering & Technology Shobhavana Campus, Mijar Moodbidri - 574 225 Mangalore, DK Karnataka State - INDIA. Moodbidri, Managalore Karnataka (574225)	1. Dr. Richard Pinto ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY Alva's Institute of Engineering and Technology Mijar, Mangalore Mangalore Karnataka (575225) 2. Dr. Siddhartha Duttagupta INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, MUMBAI IIT Bombay, Powai, Mumba, India Powai Maharashtra (400076)	3 Years and 0 Months	4950000
107	Design and Development of Next-Generation Stable Nanostructured Materials for Solar-Driven Water Splitting and New Hydrogen Storage Systems based on Nanomaterials.	1. Prof. Sahab Dass DAYALBAGH EDUCATIONAL INSTITUTE Department of Chemistry, Faculty of Science Dayalbagh	1. Dr. ARVIND KUMAR TRIPATHI BHABHA ATOMIC RESEARCH CENTER Bhabha Atomic Research Centre, Trombay, Mumbai Mumbai Maharashtra (400085)	3 Years and 0 Months	132534384

Educational
Institute AGRA Uttar
Pradesh (282005)

**2. Prof. Onkar Nath
Srivastava**

BANARAS HINDU
UNIVERSITY,
VARANASI 221005,
INDIA

Banaras Hindu
University, [BHU],
Varanasi-221005,
U.P.,
India Varanasi Uttar
Pradesh (221005)

**3. Dr. Sumant
Upadhyay**

AMITY INSTITUTE
OF
NANOTECHNOLOG
Y, AMITY
UNIVERSITY
UTTAR PRADESH

Amity Rd, Sector
125, Noida, Uttar
Pradesh
201313 Noida Uttar
Pradesh (201313)

**4. Prof. Abhishek
Dey**

INDIAN
ASSOCIATION FOR
THE CULTIVATION
OF SCIENCE

2. Dr. ATINDRA MOHAN BANERJEE

BHABHA ATOMIC RESEARCH CENTER

3-189 H, Modular Labs, Bhabha Atomic Research Centre, Trombay,
Mumbai Mumbai Maharashtra (400085)

3. Prof. Devesh Kumar Avasthi

AMITY INSTITUTE OF NANOTECHNOLOGY, AMITY UNIVERSITY
UTTAR PRADESH

Amity Rd, Sector 125, Noida, Uttar Pradesh Noida Uttar
Pradesh (201313)

4. Prof. Mohammad Abu Shaz

BANARAS HINDU UNIVERSITY, VARANASI 221005, INDIA

		<p>2A & 2B Raja S C Mullick Road Kolkata Kolkata West Bengal (700032)</p> <p>5. Dr. Mrinal Rajesh Pai BHABHA ATOMIC RESEARCH CENTER 3-189 H, Modular Labs, Bhabha Atomic Research Centre, Trombay, Mumbai Mumbai Maharashtra (400085)</p>	<p>Banaras Hindu University, [BHU], Varanasi Varanasi Uttar Pradesh (221005)</p> <p>5. Prof. Rohit Shrivastav DAYALBAGH EDUCATIONAL INSTITUTE, DAYALBAGH AGRA Dayal Bagh Rd, Dayal Bagh, Agra, Uttar Pradesh Agra Uttar Pradesh (282005)</p> <p>6. Dr. Thakur Prasad Yadav BANARAS HINDU UNIVERSITY, VARANASI 221005, INDIA Banaras Hindu University, [BHU], Varanasi Varanasi Uttar Pradesh (221005)</p> <p>7. Prof. Vibha Rani Satsangi DAYALBAGH EDUCATIONAL INSTITUTE, DAYALBAGH AGRA Dayal Bagh Rd, Dayal Bagh, Agra, Uttar Pradesh Agra Uttar Pradesh (282005)</p>		
108	DESIGN AND DEVELOPMENT OF NANO STRUCTURED-SELF HEALING IRON BASED	1. Dr. AJAY KUMAR PANDIT DEENDAYAL	1. Dr. Rohit Srivastava PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GUJARAT	3 Years and 0 Months	11088760

	ALLOYS FOR TURBINE APPLICATIONS	PETROLEUM UNIVERSITY, GUJARAT Pandit Deendayal Petroleum University, Mechanical Engineering, Block E, E006 Gandhinagar Gujarat (382007)	School of Petroleum Technology, Pandit Deendayal Petroleum University, Gandhinagar Gandhinagar Gujarat (382007)		
109	Development of biocompatible corrosion resistance novel nanotriphasic bioceramic composite implants	1. Dr. R MANONMANI RAJALAKSHMI ENGINEERING COLLEGE Thandalam Chennai Tamilnadu (602105)	1. Dr. D Sureshkumar RAJALSKHMI ENGINEERING COLLEGE Department of chemistry Rajalakshmi Engineering College Chennai Chennai Tamilnadu (602105)	3 Years and 0 Months	3359600
110	Solar to hydrogen generation system for full day long operation using combination of photo-electrochemical cell and set of solar photovoltaics and electrochemical cell	1. Dr. Manish Mathew CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE Optoelectronics and MOEMS Group CEERI Pilani PILANI Rajasthan (333031) 2. Dr. Nikhil Deep Gupta	NA	3 Years and 0 Months	37314000

VISVESVARAYA
NATIONAL
INSTITUTE OF
TECHNOLOGY
NAGPUR
Visvesvaraya
National Institute of
Technology (VNIT),
South Ambazari
Road,
Nagpur Nagpur Mah
arashtra (440010)

**3. Prof. Vijay
Janyani**
MALAVIYA
NATIONAL
INSTITUTE OF
TECHNOLOGY
JAIPUR
Dept. of Electronics
& Comm.
Engineering, MNIT,
Jaipur-
302017 Jaipur Rajas
than (302017)

**4. Dr. Shubhankar
Majumdar**
NATIONAL
INSTITUTE OF
TECHNOLOGY
MEGHALAYA

		Dr. Shubhankar Majumdar Department of Electronics & Communication Engineering National Institute of Technology Meghalaya Shillong-793003, Meghalaya, India SHILLONG Meghalaya (793003)			
111	Responsive Polymer Surfaces With Switchable Physico-Chemical Properties for Smart Transportation and Self-Cleaning Applications	1. Dr. Kamlesh Kumar CSIRCSIO Senior Scientist , Ubiquitous Analytical Techniques, CSIR-Central Scientific Instruments Organisation, Sector-30, Chandigarh 160030, India Chandigarh Chandigarh (160030)	1. Dr. Atul Pratap Singh CHANDIGARH UNIVERSITY Department of Chemistry, University Institute of Sciences Chandigarh University, Gharuan, Mohali, Punjab Chandigarh Chandigarh (140413)	3 Years and 0 Months	8667035
112	Mitigating algal toxins (microcystins) in eutrophic lakes with a nanostructured heterojunction photocatalyst based on 2D materials beyond graphene	1. Dr. SHAMIK CHOWDHURY IIT KHARAGPUR School of Environmental Science and Engineering (Sir. J. C. Bose Laboratory Complex), Indian Institute of Technology	1. Prof. PAPITA DAS JADAVPUR UNIVERSITY 188 Raja S. C. Mullick Road KOLKATA West Bengal (700032)	3 Years and 0 Months	6784000

		Kharagpur, West Bengal 721302 Kharagpur West Bengal (721302)			
113	Enzyme immobilized biochar-nanocomposite for treatment of wastewater from textile industry.	<p>1. Dr. ACHLESH DAVEREY DOON UNIVERSITY DOON UNIVERSITY,P.O. Ajabpur, Mothrowala Road, Doon University Campus, Banjarawala, Mothrowala, Dehradun, Uttarakhand 248001 Dehradun Uttarakhand (248001)</p> <p>2. Dr. Kasturi Dutta NIT ROURKELA Department of Biotechnology and Medical Engineering, National Institute of Technology Rourkela, Rourkela, Odisha Rourkela Orissa (769008)</p> <p>3. Dr. P Gopinath</p>	<p>1. Prof. Kusum Arunachalam DOON UNIVERSITY 110, Faculty Offices, Doon University Dehradun Uttarakhand (248001)</p>	3 Years and 0 Months	5986000

		I I T ROORKEE Department of Biotechnology, Indian Institute of Technology Roorkee, Roorkee - 247667 Roorkee Utt arakhand (247667)			
114	Modular Nano-Energy platform Microfluidic Biofuel Cell based harvesting and supercapacitor enabled storage for Wearable Electronics applications	1. Dr. Parikshit Sahatiya BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE(BITS), PILANI, HYDERABAD CAMPUS BITS Pilani Hyderabad Campus, Secunderabad, Telangana Secunde rabad Telangana (5 00078) 2. Dr. Sushmee Badhulika IIT HYDERABAD IIT Hyderabad Hyderab ad Telangana (5022 85)	1. Dr. Gajendranath Chowdary IIT HYDERABAD IIT Hyderabad Hyderabad Telangana (502285) 2. Dr. Karumbaiah Chappanda BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE (BITS), PILANI, HYDERABAD CAMPUS BITS Pilani Hyderabad Campus Hyderabad Telangana (500078) 3. Dr. Sanket Goel	3 Years and 0 Months	12264400

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE (BITS), PILANI,
HYDERABAD CAMPUS

BITS Pilani Hyderabad Campus Hyderabad Telangana (500078)

115	NMR based characterisation of micro and nanobubble systems and its application in dissolved air flotation DAF	1. Dr. Navin Gopinathan INDIAN INSTITUTE OF TECHNOLOGY ROPAR Room 318 Indian Institute of Technology Ropar, Nangal Road Rupnagar Punjab (140001)	1. Dr. Bhaskar Bhaduri IIT KHARAGPUR Kharagpur, West Bengal 721302 Kharagpur West Bengal (721302) 2. Dr. Neelkanth Nirmalkar INDIAN INSTITUTE OF TECHNOLOGY, ROPAR Nangal Rd, Hussainpur, Rupnagar, Punjab 140001 Ropar Punjab (140001) 3. Dr. Shiv Singh ADVANCED MATERIALS AND PROCESSES RESEARCH INSTITUTE BHOPAL Hoshangabad Road, Bhopal, Madhya Pradesh 462064, India Government recognised research institute Bhopal Madhya Pradesh (462026)	5 Years and 0 Months	71616400
-----	---	---	---	----------------------	----------

116	Development of Silica/CNT incorporated Imine Skeletal Polybenzoxazine Nanocomposites for Green House Gas Capture	1. Dr. S G GUNASEKARAN VALLIAMMAI ENGINEERING COLLEGE VALLIAMMAI ENGINEERING COLLEGE SRM Nagar, Kattankulathur - 603 203, Kancheepuram District, Tamil Nadu, India. KATTANKULATHUR Tamilnadu (603203)	1. Dr. L DEVARAJ STEPHEN VALLIAMMAI ENGINEERING COLLEGE 38/4, FIRST MAIN ROAD, KK NAGAR, SRINIVASAPURAM, GUDUVANCHERRI CHENNAI Tamilnadu (603202)	3 Years and 0 Months	1948100
117	Synthesis and evaluation of low cost nano compounds as admixture for landfill liners in problematic soils- Desorption and consolidation studies with sustainability perspective	1. Dr. Syed Abu Sayeed Mohammed HKBK COLLEGE OF ENGINEERING No. 22/1, Nagawara, Govindpur Main Road, Near Manyata Tech Park, Bengaluru BENGALURU Karnataka (56 0045)	1. Dr. Arif Ali Baig Moghal NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL Dept if Civil Engineering, NIT, Warangal Warangal Telangana (506004) 2. Dr. Sanaula P F HKBK COLLEGE OF ENGINEERING No. 22/1, Nagawara, Govindpur Main Road,Near Manyata Tech Park, Bengaluru Bengaluru Karnataka (560045)	3 Years and 0 Months	5970540

118	Nanostructured Materials for Next-generation Energy Conversion and Storage Devices	<p>1. Dr. Vanchiappan Aravindan FRSC INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI Rami Reddy Nagar, Karakambadi Road, Mangalam B.O., Tirupati “ Tirupati Andhra Pradesh (517507)</p>	<p>1. Dr. A Manuel Stephan CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE (CECRI)</p> <p>Dr. A. Manuel Stephan Principal Scientist, Electrochemical Power Systems Division Central Electrochemical Research Institute (CSIR-CECRI) Karaikudi 630 006, India. Karaikudi Tamilnadu (630006)</p> <p>2. Dr. AS Prakash CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE (CECRI)</p> <p>CSIR-Central ElectroChemical Research Institute, Karaikudi - 630003. TamilNadu, India. Karaikudi Tamilnadu (630003)</p> <p>3. Dr. E Balaraman INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI Department of Chemistry Rami Reddy Nagar, Karakambadi Road, Mangalam B.O., Tirupati “ 517 507 Tirupati Andhra Pradesh (517507)</p> <p>4. Dr. Gopinath Purushothaman</p>	3 Years and 0 Months	87358668
-----	--	---	--	----------------------	----------

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
TIRUPATI

Department of Chemistry Rami Reddy Nagar, Karakambadi Road,
Mangalam B.O., Tirupati - 517 507 Tirupati Andhra Pradesh (517507)

5. Dr. Jatish Kumar

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
TIRUPATI

Department of Chemistry Rami Reddy Nagar, Karakambadi Road,
Mangalam B.O., Tirupati - 517 507 Tirupati Andhra Pradesh (517507)

6. Dr. K Ramesha

CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE (CECRI)

CSIR-Central ElectroChemical Research Institute, Karaikudi - 630003.
TamilNadu, India. Karaikudi Tamilnadu (630003)

7. Dr. M Sathish

CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE (CECRI)

CSIR-Central ElectroChemical Research Institute, Karaikudi - 630003.
TamilNadu, India. Karaikudi Tamilnadu (630003)

8. Dr. MM Shaijumon

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
THIRUVANANTHAPURAM

Indian Institute of Science Education and Research Thiruvananthapuram
(IISER-TVM), Maruthamala PO, Vithura, Thiruvananthapuram - 695551.
Kerala, India Thiruvananthapuram Kerala (695551)

9. Dr. P Ragupathy

CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE (CECRI)

CSIR-Central ElectroChemical Research Institute, Karaikudi - 630003.
TamilNadu, India. Karaikudi Tamilnadu (630003)

10. Prof. Vijayamohan K Pillai

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
TIRUPATI

Rami Reddy Nagar, Karakambadi Road, Mangalam B.O., Tirupati “
517 507 Tirupati Andhra Pradesh (517507)

11. Dr. Yogesh Kumar Sharma

INDIAN INSTITUTE OF TECHNOLOGY , ROORKEE

Indian Institute of Technology Roorkee Roorkee, Uttarakhand India -
247667 Roorkee Uttarakhand (247667)

119	Assessing the environmental fate and transport of a mixture of nanoparticles through soil	1. Dr. Arun Kumar INDIAN INSTITUTE OF TECHNOLOGY DELHI Civil Engg. I.I.T. Delhi, Hauz Khas, New Delhi New Delhi Delhi (110016)	1. Dr. Seetha N IIT HYDERABAD Department of Civil Engineering Indian Institute of Technology Hyderabad Kandi Sangareddy-502285 Ph91-40-23027017 Hyderabad Telangana (502285)	3 Years and 0 Months	7762216
120	Interfacial engineering of perovskite solar cells by using graphene functionalities for enhanced performance and stability	1. Dr. Srinivasa Rao Pathipati VIGNAN FOUNDATION FOR SCIENCE TECHNOLOGY AND RESEARCH Vadlamudi VADLAMUDI Andhra Pradesh (522213)	NA	3 Years and 0 Months	2575000
121	Design and Develop the Rare earth based Environmental Friendly Inorganic Pigments	1. Dr. Agilandeswari PSG COLLEGE OF ARTS AND SCIENCE Department of Chemistry, PSG College of Arts and Science, Civil Aerodrome post, Coimbatore Tamilnadu (641014)	1. Dr. A Rubankumar VELLORE INSTITUTE OF TECHNOLOGY Vellore Institute of Technology (VIT) Thiruvallur Road, Katpadi Vellore 632 014, Tamil Nadu vellore Tamilnadu (632014)	3 Years and 0 Months	3608800

122	Catalytic wet oxidation of melanoidins and endocrine disturbing compounds in distillery biomethanated spent wash BSW using 2D-Layered double hydroxi	1. Dr. CHURCHIL ANGEL ANTONY RAJ J PSG COLLEGE OF ARTS SCIENCE Civil Aerodrome Post, Coimbatore - 14 Coimbatore Tamilnadu (641014)	1. Dr. Prathish KP CSIR NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY(NIIST) Environmental Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, Kerala Thiruvananthapuram Kerala (695019)	3 Years and 0 Months	3400000
123	Development of Hybrid Alloys of Two-Dimensional Transition Metal Dichalcogenides and Their Superior Catalytic Performance for H ₂ Evolution Reactions	1. Dr. Srimanta Pakhira INDIAN INSTITUTE OF TECHNOLOGY, INDORE Discipline of Physics, and Discipline of Metallurgy Engineering and Materials Science MEMS, Room No. 618, Chromium Building POD-1D, IIT Indore, Simrol Campus, Khandwa Road, Simrol. Simrol Madhya Pradesh (453552)	NA	3 Years and 0 Months	4525400
124	Integrated Experimental and Multiscale Computational	1. Dr. Jithin John Varghese	1. Prof. Niket S Kaisare	3 Years and 0 Months	17875000

	Investigation for Catalyst Development and Mechanistic Insights on Methanol Synthesis from CO ₂ Under Mild Conditions	INDIAN INSTITUTE OF TECHNOLOGY MADRAS INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI 600036 Chennai Tamilnadu (600036)	INDIAN INSTITUTE OF TECHNOLOGY MADRAS #451, New Academic Complex, Department of Chemical Engineering, Indian Institute of Technology Madras, Chennai 600036 Chennai Tamilnadu (600036) 2. Prof. Preeti Aghalayam INDIAN INSTITUTE OF TECHNOLOGY MADRAS #454, New Academic Complex, Department of Chemical Engineering, Indian Institute of Technology Madras Chennai Chennai Tamilnadu (600036)		
125	Development of mesoporous hybrid carbonaceous support catalysts for high-performance membrane electrode assemblies for direct methanol fuel cells	1. Dr. Santanu Das INDIAN INSTITUTE OF TECHNOLOGY, BHU , BANARAS HINDU UNIVERSITY, VARANASI, VARANASI, Room No CR-215, Department of Ceramic Engineering, Indian Institute of Technology, BHU, Varanasi, Uttarpradesh - 221005 Varanasi Uttar Pradesh (221005)	1. Dr. Bratindranath Mukherjee IIT (BHU) VARANASI Department of Metallurgical engineering, IIT(BHU), Varanasi, 221005, UP India Varanasi Uttar Pradesh (221005)	3 Years and 0 Months	9810000

		<p>2. Dr. Somnath Bhowmick IIT KANPUR FB-406, Western Lab 312; Department of Materials Science and Engineering IIT Kanpur, Kanpur 208016 Kanpur Uttar Pradesh (208016)</p>			
126	Development of smart sensing device using Nanofibrous materials for the Detection of environmental hazards	<p>1. Dr. Ganesh C Patil VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY NAGPUR Visvesvaraya National Institute of Technology, South Ambazari Road, Nagpur, Maharashtra. Pin 440010 (India) NAGPUR Maharashtra (440010)</p> <p>2. Dr. Aatish S Daryapurkar INDIAN INSTITUTE OF INFORMATION TECHNOLOGY NAGPUR</p>	<p>1. Dr. Sandip S Patil ESPIN NANOTECH PVT LTD E-spin Nanotech PVT LTD., 406, Third Floor, Technopark, Near SIDBI Incubation Center, IIT Kanpur, Kanpur-208016 kanpur Uttar Pradesh (208016)</p> <p>2. Dr. Sandipan Halder VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY NAGPUR</p>	3 Years and 0 Months	10688000

		Indian Institute of Information Technology Nagpur, BSNL - Regional Telecom Training Center RTTC, Near TV Tower or beside Balaji temple Seminary Hills, Nagpur- 440006, Maharashtra Nagpur Maharashtra (440006)	Visvesvaraya National Institute of Technology, South Ambazari Road, Nagpur Nagpur Maharashtra (440010)		
127	GREEN SYNTHESIS OF GRAPHENE NANOSHEETS FROM PLASTIC WASTE AND ITS APPLICATIONS IN DESIGNING PROTECTIVE MASKS, WATER FILTERS AND AUTOMOBILE FILTERS	1. Dr. priti Malhotra UNIVERSITY OF DELHI University Road, New Delhi Delhi Delhi (110007) jainarti21@gmail.com 9810328187	1. Dr. Arti Jain DAULAT RAM COLLEGE, UNIVERSITY OF DELHI Daulat ram College delhi Delhi (110007) jainarti21@gmail.com 9999823778 2. Dr. Ranu gadi INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN Indira Gandhi Delhi Technical University for Women delhi Delhi (110006)	3 Years and 0 Months	4820000
128	Synthesis of novel metal-organic frameworks for sensing and environmental remediation applications	1. Prof. Jaya BANASTHALI VIDYAPITH	1. Dr. NALINI SANKARARAMAKRISHNAN IIT KANPUR	3 Years and 0 Months	5642000

		Banasthali Vidyapith, Banasthali-3040022, Rajasthan Banasthali Rajasthan (304022)	Centre For environmental Science and Engineering Indian Institute of Technology Kanpur, Kanpur Uttar Pradesh (208016)		
129	Investigation on oxides of vanadium @ graphene as a low cost rechargeable Aluminium ion battery with superior performance	1. Dr. G Nagaraju SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU B. H. Road, Tumakuru Tumakuru Karnataka (572103)	NA	3 Years and 0 Months	4549600
130	Neoteric Bifunctional Nanowidget based on Hierarchical Perovskite Solar Cell-Hybrid Supercapacitor Integration for Efficient Energy Conversion and Caching	1. Dr. J MERLINE SHYLA LOYOLA COLLEGE Department of Physics Energy Nanotechnology Centre ENTeC Loyola Institute of Frontier Energy LIFE Loyola College, Nungambakkam, Chennai- 600 034, Tamil Nadu, India Chennai Tamil nadu (600034)	NA	3 Years and 0 Months	11925364
131	Flexible and Stretchable Nanogenerators FSNGs for Self-Powered Sensing	1. Dr. Naveen Kumar S K MANGALORE	NA	3 Years and 0 Months	3461000

	Applications in Agriculture	UNIVERSITY Department of Electronics Mangalagangothri Mangalore university Mangalore Karnataka (N/A)			
132	Nano-structured materials for energy storage and gas sensor applications	<p>1. Dr. Y Ashok Kumar Reddy INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING KANCHEEPURAM Assistant Professor, Department of Physics, IIITDM KANCHEEPURAM, Vandalur- Kelambakkam Road, KANDIGAI Chennai Tamilnadu (600127)</p>	<p>1. Dr. Jayaramudu Jarugala CSIR NORTH EAST INSTITUTE OF SCIENCE AND TECHNOLOGY, JORHAT, ASSAM Dr. Jayaramudu Jarugala, Principal Scientist, Materials Science and Technology Division CSIR- North East institute of science and technology, Ministry of Science and Technology, Govt. of India Jorhat- Jorhat Assam (785006)</p> <p>2. Prof. MV Ramana Reddy OSMANIA UNIERSITY Dr. M.V. Ramana Reddy, Professor, Dept. of Physics, Osmania University, Hyderabad-500007 Hyderabad Telangana (500007)</p> <p>3. Dr. Upendra Nath Gupta</p>	3 Years and 0 Months	15360320

			CSIR NORTH EAST INSTITUTE OF SCIENCE AND TECHNOLOGY, JORHAT, ASSAM Dr. Upendra Nath Gupta Scientist PPCC Group, Materials Science and Technology Division CSIR " North East Institute of Science and Technology Jorhat " 785 006 Assam India Jorhat Assam (785006)		
133	Photo " Electro " Catalytic Removal of Nitrate from Water by nanostructured catalytic materials	1. Dr. S MEENAKSHI THE GANDHIGRAM RURAL INSTITUTE (DEEMED TO BE UNIVERSITY) The Gandhigram Rural Institute Deemed to be University Gandhigram Dindigul District Tamilnadu, India Gandhigram T amilnadu (624302)	1. Dr. Subramanyan Vasudevan CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE (CECRI) Senior Principal Scientist Electro inorganics Division Central Electrochemical Research Institute Karaikudi - 630 006 Tamil Nadu, India Karaikudi Tamilnadu (630006)	5 Years and 0 Months	17759004
134	Design and Development of Ultrasonic Atomization Technique for making nano-powder of metal oxides for VOC sensing application	1. Dr. Ganesh Eknath Patil SNJB'S KKHA ARTS SMGL COMMERCE SPHJ SCIENCE COLLEGE Neminagar, Chandwad, Dist. Nashik, Maharashtra Chand	1. Dr. Rajendra Popatrao Patil BHONSALA MILITARY COLLEGE, NASHIK Bhonsala Military College, Nashik Nashik Maharashtra (422005)	3 Years and 0 Months	4349200

		wad Maharashtra (423101)	<p>2. Dr. Smt Sarika Digambar Shinde SNJB'S KKHA ARTS SMGL COMMERCE SPHJ SCIENCE COLLEGE</p> <p>Neminagar, Chandwad Chandwad Maharashtra (423101)</p>		
135	Efficient and Durable Pervoskite-Metal Oxide Hybrid Electrode for Photo Rechargeable Zinc-Air Batteries	<p>1. Dr. Himmat Singh Kushwaha MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR Material Research Centre, MNIT Campus JLN Marg Jaipur-302017, Jaipur, Rajasthan, 302017 Jaipur Rajasthan (302017)</p>	<p>1. Dr. Ragini Gupta MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR</p> <p>HOD, Department of Chemistry, MNIT Jaipur Jaipur Rajasthan (302017)</p>	3 Years and 0 Months	5236800
136	Nanostructured Hybrid	1. Prof. Gotan Jain	1. Dr. Rajendra Popatrao Patil	3 Years and 0	5150000

	Perovskite for Green House Gas Sensing Applications	SHRI NEMINATH JAIN BRAHMACHARYAS HRAM (JAIN GURUKUL'S), KARMVEER KESHAVLALJI HARAKCHANDJI ABAD ARTS SHRIMAN MOTILALJI GIRIDHARILALJI LODHA COMMERCE AND SHRIMAN P.H. JAIN SCIENCE COLLEGE Neminagar, Chandwad Chandwad Maharashtra (423101)	BHONSALA MILITARY COLLEGE, NASHIK Rambhoomi, Nashik Nashik Maharashtra (422005)	Months	
137	Development of Nano Zeolite-A as Builder for Liquid Detergent Application	1. Dr. Govind Sethia CENTRAL SALT AND MARINE CHEMICALS RESEARCH INSTITUTE LAB 302, CSIR-CSMCRI, BHAVNAGAR Bhavnagar Gujarat (364002)	NA	3 Years and 0 Months	4989120
138	Design and Development of High Energy Density PEMFC Stack with PtNiTiO3/G as Electrocatalyst with Power	1. Dr. P KARTHIKEYAN PSG COLLEGE OF TECHNOLOGY	1. Mr. KARTHIKEYAN M P S G COLLEGE OF TECHNOLOGY	3 Years and 0 Months	14545873

Converters for E-Mobility
Applications

POST BOX NO.
1611, PEELAMEDU,
COIMBATORE PEE
LAMEDU Tamilnadu
(641004)

**2. Dr. L Ashok
Kumar**

P S G COLLEGE
OF TECHNOLOGY
POST BOX NO.
1611, PEELAMEDU,
COIMBATORE Peel
amedu Tamilnadu (6
41004)

PSG CAMPUS, AVINASHI ROAD, COI Coimbatore, Tamil
Nadu Tamilnadu (641004)

2. Mr. MAGESH KANNAN V

P S G COLLEGE OF TECHNOLOGY

PSG CAMPUS, AVINASHI ROAD, COI Coimbatore, Tamil
Nadu Tamilnadu (641004)

3. Dr. NEELAKRISHNAN

P S G COLLEGE OF TECHNOLOGY

PSG CAMPUS, AVINASHI ROAD, COI Coimbatore, Tamil
Nadu Tamilnadu (641004)

4. Dr. Sukhanazerin A

P S G COLLEGE OF TECHNOLOGY

PSG CAMPUS, AVINASHI ROAD, COI Coimbatore, Tamil
Nadu Tamilnadu (641004)

5. Dr. V BALAJI

P S G COLLEGE OF TECHNOLOGY

PSG CAMPUS, AVINASHI ROAD, COI Coimbatore, Tamil
Nadu Tamilnadu (641004)

139	To establish Preliminary Synthesis amp Characterization Facilities at our College for the development of metal oxides nanoparticles/nanocomposites for pseudocapacitor electrodes	<p>1. Dr. Balwinder Kaur GOVERNMENT GANDHI MEMORIAL SCIENCE COLLEGE, JAMMU Department of Physics, G.G.M. Science College, Canal Road, Jammu JAMMU Jammu And Kashmir (180002)</p>	<p>1. Dr. Ajay Singh Dadwal GOVERNMENT DEGREE COLLEGE R.S.PURA, JAMMU Department of Physics, Govt. Degree College, R.S. Pura, Jammu JAMMU Jammu And Kashmir (181102)</p> <p>2. Dr. Gounda Abdul Basheed NATIONAL PHYSICAL LABORATORY Indian Reference Materials Division CSIR-National Physical Laboratory Dr K S Krishnan Marg, New Delhi " 110012 Delhi Delhi (110012)</p> <p>3. Dr. RAJENDRA PRASAD PANT NATIONAL PHYSICAL LABORATORY Chief Scientist amp Fellow APAM Head, Indian Reference Materials BND, Head, In-house BND CSIR- National Physical Laboratory DR.K.S.Krishnan Marg New Delhi-110012 DELHI Delhi (110012)</p>	3 Years and 0 Months	5000000
140	Fluoranthene and Squaraine	1. Dr. Manoj Kumar	1. Dr. Pankaj Yadav	3 Years and 0	8432160

	analogues as Donor and Acceptor in Organic Solar Cells, A combined Computational and Experimental Approach	Pandey PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GUJARAT Knowledge Corridor, Raisan, Gandhinagar Gandhinagar Gujarat (382007) manoj.pandey@sot.pdpu.ac.in 9978235337	PANDIT DEENDAYAL PETROLEUM UNIVERSITY School of Technology, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat, India Gandhinagar Gujarat (382007) 2. Dr. satyam Shinde PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GUJARAT School of Technology, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat, India Gandhinagar Gujarat (382007)	Months	
141	High Energy density Asymmetric Pseudocapacitors based on MXenes and MXene/Metal oxide composites	1. Dr. BAIJU K V KANNUR UNIVERSITY Department of Chemistry School of Chemical Sciences, Kannur University, Payyanur Campus, Kannur 670327. Kerala Payyannur Kerala (670327)	1. Dr. Anjali Paravannoor KANNUR UNIVERSITY Leelanjali A R Nagar P O Malappuram payyannur Kerala (676305)	3 Years and 0 Months	8834280
142	DEVELOPMENT OF A	1. Dr. ABHILASH	1. Dr. PRATIMA MESHRAM	3 Years and 0	5977000

	PROCESS FOR CONVERSION OF CARBON IN SPENT POWER SYSTEMS INTO NANOSIZED MATERIALS	CSIR NATIONAL METALLURGICAL LABORATORY NML, Burmamines Jamshedpur Jharkhand (831007)	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH NATIONAL METALLURGICAL LABORATORY MER Division, NML Jamshedpur Jharkhand (831007) 2. Dr. RANJAN KUMAR SAHU COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH NATIONAL METALLURGICAL LABORATORY AMP DIVISION, NML JAMSHEDPUR Jharkhand (831007)	Months	
143	Self-powered water electrolysis systems and technological developments	1. Dr. Ramendra Sundar Dey INSTITUTE OF NANO SCIENCE AND TECHNOLOGY Institute of Nano Science and Technology Habitat Centre, Phase- 10, Sector- 64, S. A. S. Nagar Mohali Punjab (160062) rsdey@inst.ac.in 9775549822	1. Dr. Dipankar Mandal INSTITUTE OF NANO SCIENCE AND TECHNOLOGY Habitat Centre, Sector 64, Phase-10, S.A.S. Nagar, Mohali-160062, Punjab Mohali Punjab (160062) dmandal@inst.ac.in 9775549822 2. Prof. Manoj Neergat IIT BOMBAY Department of Energy Science and Engineering, IIT Bombay, Powai Mumbai 400 076, India Powai, Mumbai Maharashtra (400076)	3 Years and 0 Months	37722280

			<p>3. Dr. Musthafa Muhammed INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE</p> <p>Department of Chemistry, IISER Pune., Dr. Homi Bhabha Road, Ward No. 8, NCL Colony, Pashan, Pune, Maharashtra 411008 INDIA Pashan Maharashtra (411008)</p>		
144	Synthesis of highly stable metal sulphide based Electrocatalysts for Hydrogen Evolution Reactions	<p>1. Dr. J Madhavan DEPARTMENT OF CHEMISTRY THIRUVALLUVAR UNIVERSITY SERKKADU VELLORE, 632115 , VELLORE, TAMILNADU , 632115 THIRUVALLUVAR UNIVERSITY SERKKADU VELLORE, 632115 , Vellore, Tamilnadu , 632115 Serkkadu T amilnadu (632115)</p>	<p>1. Dr. T Maiyalagan SRM INSTITUE OF SCIENCE AND TECHNOLOGY (FORMERLY SRM UNIVERSITY)</p> <p>SRM Research Institute amp Department of Chemistry, University Main Building, 13th Floor, R-36 SRM Instituite of Science and Technology, SRM Nagar, Potheri Kattankulathur - 603 203 Tamilnadu, India. Kattankulathur Tamilnadu (603203)</p>	3 Years and 0 Months	3884000
145	Study on the use of graphene nanoribbons, SWCNT and their composites in an electrochemical flow capacitor and innovative	<p>1. Prof. KRV Subramanian RAMAIAH INSTITUTE OF TECHNOLOGY</p>	<p>1. Dr. Nagaraju Kottam M.S.RAMAIAH INSTITUTE OF TECHNOLOGY</p>	3 Years and 0 Months	51300000

	development of Li-air battery	Ramaiah Institute of Technology, M S R Nagar, MSRIT Post, Bangalore Ramaiah Nagar Karnataka (5 60054)	MSR Nagar, MSRIT Post Bangalore Karnataka (560054) 2. Prof. Sriraam N M.S.RAMIAH INSTITUTE OF TECHNOLOGY MSR Nagar, MSRIT Post Bangalore Karnataka (560054)		
146	Study on carrier dynamics of graded band gap hybrid perovskite absorber layer for solar cell application	1. Dr. Sachindranath Das JADAVPUR UNIVERSITY 188, Raja Subodh Chandra Mallick Rd, Jadavpur University Campus Area, Jadavpur, Kolkata, West Bengal 700032 JADAVPUR West Bengal (700032)	1. Prof. Satyaban Bhunia SAHA INSTITUTE OF NUCLEAR PHYSICS Saha Institute of Nuclear Physics, 1/AF, Bidhannagar, Kolkata-700064 Kolkata West Bengal (700064)	3 Years and 0 Months	6539000
147	NANO ASSISTED METHANE ENRICHMENT THROUGH ANEROBIC CO-DIGESTION OF SEPTAGE	1. Dr. HEMA S SRI RAMAKRISHNA ENGINEERING COLLEGE	1. Dr. RAGUPATHY D NATIONAL INSTITUTE OF TECHNOLOGY PUDUCHERRY	3 Years and 0 Months	4759000

	AND FOODWASTES USING NANO-BOTTOM ASH AND IRONOXIDE NANO PARTICLES FOR RURAL ELECTRIFICATION	36,E.B.Colony, Lenin Nagar, Ganapathy, Coimbatore-641006 Coimbatore Tamilnadu (641042)	Assistant Professor, Department of Chemistry National Institute of Technology - Puducherry Thiruvettakudy, Karaikal - 609 609, Puducherry, India Karaikal Pondicherry (609609)		
148	Nanostructured AlFe ₂ B ₂ and MgB ₂ C ₂ thermoelectrics for solar thermal power generation	1. Dr. Duraisamy Sivaprahasam INTERNATIONAL ADVANCED RESEARCH CENTER FOR POWDER METALLURGY AND NEW MATERIALS 8th floor, IITM Research Park, Taramani, Chennai chennai Tamilnadu (600113)	1. Prof. M Sundareswari SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY JEPPIAAR NAGAR, SHOLLINGANALLUR CHENNAI chennai Tamilnadu (600119)	4 Years and 0 Months	14529830
149	Synthesis of nano biosorbents from hydrophytes for wastewater treatment	1. Dr. Prabhakar Sharma NALANDA UNIVERSITY Nalanda University Rajgir, Dist - Nalanda Bihar Rajgir Bihar (803116)	1. Dr. Rakesh Kumar Singh ARYABHATTA CENTER FOR NANOSCIENCE AND NANOTECHNOLOGY Aryabhatta Centre for Nanoscience & Nanotechnology School of Engineering and Technology Aryabhatta Knowledge University, Patna, Bihar Patna Bihar (800001)	3 Years and 0 Months	2438000
150	Developing CH Activation in	1. Prof. Debabrata	NA	3 Years and 0 Months	9600000

	Water Amyloid Palladium Nanocomposite as a Sustainable Heterogeneous Catalyst	Maiti INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, MUMBAI IIT Bombay, Powai Mumbai 400076 Mumbai Maharashtra (400076)		Months	
151	Designing Nano Foam for Enhance Oil Recovery application with simultaneous CO2 reduction from the environment	1. Dr. Subrata Borgohain Gogoi DIBRUGARH UNIVERSITY Department of Petroleum Technology Dibrugarh University Dibrugarh Assam (786004)	1. Dr. Ajanta B Rajkonwar DIBRUGARH UNIVERITY Department of Commerce Dibrugarh University Dibrugarh Assam Dibrugarh Assam (786004) 2. Dr. Jiban Saikia DIBRUGARH UNIVERITY Department of Chemistry Dibrugarh University Dibrugarh Assam Dibrugarh Assam (786004) 3. Dr. Tapas TEZPUR UNIVERSITY Department of Molecular Biology and Biotechnology Tezpur University Tezpur Assam Tezpur Assam (784028)	3 Years and 0 Months	6749600
152	Preparation of functionalized sand-granules bed reactor	1. Dr. Subhankar Paul	1. Prof. Avijit Bhowel	3 Years and 0 Months	16736680

	and semi-permeable membrane reactor using GO,.....waste water treatment and desalination	<p>NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA NIT, Rourkela ROURKELA Orissa (769008)</p> <p>2. Prof. Papita Das JADAVPUR UNIVERSITY Jadavpur University kolkata West Bengal (700032)</p>	<p>JADAVPUR UNIVERSITY</p> <p>Chemical Engineering Department, Jadavpur University, Kol-32 Kolkata West Bengal (700032)</p> <p>2. Dr. Surajit Das NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA Rourkela, Odisha Rourkela Orissa (769008)</p>		
153	Low dimensional MXenes and effect of their surface properties on adsorption of persistent organic pollutants POPs	<p>1. Dr. Shilpi Kushwaha CSIR CSMCRI</p> <p>Room No. 210, AESDampCIF, CSIR-CSMCRI, G.B. Marg, Bhavnagar BHAVNAGAR Gujarat (364002)</p>	<p>1. Dr. Raghavan Ranganathan</p> <p>INDIAN INSTITUTE OF TECHNOLOGY , GANDHINAGAR</p> <p>Academic Block 4/313, IIT Gandhinagar, Palaj, Gandhinagar 382355, Gujarat Gandhinagar Gujarat (382355)</p>	3 Years and 0 Months	7670552
154	Development of Bimetallic Janus Nano catalytic System for CO2 Conversion into value added products	<p>1. Dr. Shirish Hari Sonawane NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL</p>	<p>1. Dr. Jigisha Parikh</p> <p>SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT</p>	3 Years and 0 Months	8455920

		<p>NIT WARANGAL, KAZIPET Warangal Telangana (506004)</p> <p>2. Dr. Kashinath Durke NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL</p> <p>national Institute of Technology Warangal TS 506004 Warangal Telangana (506004)</p> <p>3. Dr. Parag Gogate INSTITUTE OF CHEMICAL TECHNOLOGY Institute of Chemical Technology Matunga Mumbai Maharashtra (400011)</p> <p>4. Dr. Shiram Sonawane VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY NAGPUR</p> <p>Visvesvarya National Institute of Technology Nagpur Nagpur Maharashtra (411007)</p>	<p>Chemical engineering Dept national Institute of Technology Surat Surat Gujarat (395007)</p>		
155	Reactive Calcination for Stable and Efficient 2D/3D catalyst: A way towards greener CNG vehicles	<p>1. Dr. SUVERNA TRIVEDI PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GUJARAT</p>	<p>1. Dr. PANKAJ YADAV PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GUJARAT</p>	3 Years and 0 Months	6974064

		<p>Knowledge Corridor, Raisan, Gandhinagar Gandhinagar Gujarat (382007)</p> <p>2. Dr. RAM SARAN SINGH INDIAN INSTITUTE OF TECHNOLOGY (BHU) VARANASI DEPARTMENT OF CHEMICAL ENGINEERING, IIT BHU VARANASI varanasi Uttar Pradesh (221005)</p>	<p>DEPARTMENT OF SOLAR ENGINEERING, PDP GANDHINAGAR Gandhinagar Gujarat (382007)</p>		
156	<p>Design of Multifunctional Aivalent anion substituted Nano-crystalline Transition Metal-Based Electro-catalysts for Hydrogen Generation through Water Splitting</p>	<p>1. Dr. Ashoka S DAYANANDA SAGAR UNIVERSITY 6th Floor , Dental Block , Shavige Malleswara Hills , Kumaraswamy Layout , Bamgalore 560 078 Bangalore Karnataka (560078)</p>	<p>1. Dr. Banuprakash G SJB INSTITUTE OF TECHNOLOGY</p> <p>SJB institute of technology, No.67, Uttarahalli Main Road, Kengeri, BGS Health & Education City, Bengaluru, Karnataka 560060 Bengaluru Karnataka (560060)</p> <p>2. Dr. Yogesh Kalegowda DAYANANDA SAGAR UNIVERSITY (SCHOOL OF ENGINEERING)</p>	3 Years and 0 Months	5257040

Kudlu Gate Bengaluru Karnataka (560068)

157	EXPERIMENTAL STUDIES ON TRIBOLOGICAL AND PERFORMANCE BEHAVIOR OF OXIDE NANOPARTICLES FILLED VEGETABLE OIL BASED POLYOL ESTER AS ENVIRONMENTAL FRIENDLY REFRIGERATION OIL FOR DOMESTIC REFRIGERATOR	1. Dr. S Arumugam SRI CHANDRASEKHAR ENDRA SARASWATHI VISWA MAHAVIDYALAYA UNIVERSITY Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya Sri Jayendra Saraswathi Street, Enathur Kanchipuram Tamil Nadu India PIN: 631 561 e- m Kancheepuram Tamilnadu (631561)	1. Dr. G Sriram SRI CHANDRASEKHARENDRA SARASWATHI VISWA MAHAVIDYALAYA UNIVERSITY Sri Jayendra Saraswathi Street Enathur Tamilnadu (631561)	3 Years and 0 Months	3830000
158	Rational design and development of metal organic framework-2D materials based multifunctional nanocomposite photocatalysts for energy and environmental applications	1. Prof. M V Shankar YOGI VEMANA UNIVERSITY, KADAPA YOGI VEMANA UNIVERSITY, VEMANAPURAM, KADAPA VEMANA PURAM, GANGANA PALLI, YOGIVEMANA UNIVERSITY ROAD, KADAPA Andhra	1. Dr. M Sathish CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE (CECRI) Materials Electrochemistry Division Central Electrochemical Research Institute, Karaikudi, India. Karaikudi Tamilnadu (630003)	5 Years and 0 Months	29103008

		Pradesh (516003)	<p>2. Dr. Sakar Mohan JAIN UNIVERSITY, CENTRE FOR NANO AND MATERIAL SCIENCES</p> <p>Centre for Nano and Material Sciences Jain University Jain Global Campus, Ramanagara Bangalore Karnataka (562112)</p> <p>3. Dr. Venkata Krishnan INDIAN INSTITUTE OF TECHNOLOGY MANDI</p> <p>Indian Institute of Technology Mandi Kamand, Mandi. Himachal Pradesh, INDIA. Mandi Himachal Pradesh (175005)</p>		
159	APPLICATION OF NANO BASED BIO LUBRICANT ON SUSTAINABLE MACHINING CHARACTERISTICS OF CFRP COMPOSITES	<p>1. Dr. Rajmohan SRI CHANDRASEKARE NDRA SARAWATHI VISWAMAHAVIDHALAYA Associate professor Mechanical Engineering kanchipuram Tamilnadu (631501)</p>	<p>1. Dr. Arumugam SRI CHANDRASEKARENDRA SARAWATHI VISWAMAHAVIDHALAYA kanchipuram kanchipuram Tamilnadu (631502)</p>	3 Years and 0 Months	4180000

160	Energy Storage and Conversion based on Metal-Organic Frameworks (MOFs) and derived materials	1. Dr. Rajkumar Muniyandi PSG COLLEGE OF ARTS AND SCIENCE Dr.M.Rajkumar Assistant Professor (senior grade) Department of Chemistry PSG College of Arts & Science Avinashi Road Civil Aerodrome Post Coimbatore COIMBATORE Tamilnadu (641014)	1. Prof. Sakthivel Angamuthu Pacha Gounder BHARATHIAR UNIVERSITY Professor, Department of Nanoscience and Technology, Bharathiar University Coimbatore Coimbatore Tamilnadu (641016)	3 Years and 0 Months	4000000
161	DEVELOPMENT OF LAB BASED BIO COAGULANT REACTOR AND SCALE UP STUDIES FOR CONTINUOUS BIOREACTOR	1. Dr. D Sirisha JAWAHARLAL NEHRU INSTITUTE OF ADVANCED STUDIES Jawaharlal Nehru Institute of advanced studies 8-2-686/k/17, kimtee Enclave, Road No.12 Banjara Hills Hyderabad Tel angana (500034)	1. Dr. Atindra Shukla DHARMSINH DESAI UNIVERSITY, NADIAD Shah-Schulman Center for Surface Science & Nanotechnology, Dharmsinh Desai University Nadiad-387001 (Gujarat) India Nadiad Gujarat (387001) 2. Dr. KD Bhatt GUJARAT STATE FERTILIZER CORPORATION UNIVERSITY	3 Years and 0 Months	3000000

			Science Foundation Vigyan Bhavan, GSFC, Vadodara, Gujarat 391750 vadodara Gujarat (390008)		
162	Bio-engineered Nanoparticles has Potent Anti-Corrosive Inhibitor against Biocorrosion in Processing Industry	1. Dr. Rajasekar THIRUVALLUVAR UNIVERSITY DEPARTMENT OF BIOTECHNOLOGY THIRUVALLUVAR UNIVERSITY SERKKADU VELLORE 632115 T amilnadu (632115)	1. Dr. Dinakaran THIRUVALLUVAR UNIVERSITY Associate Professor Department of chemistry Thiruvalluvar University, Serkkadu, Vellore, India Vellore Tamilnadu (632115) 2. Dr. Madhavan THIRUVALLUVAR UNIVERSITY Assistant Professor Department of Chemistry Thiruvalluvar University Serkkadu, vellore -632115, Vellore Tamilnadu (632115)	5 Years and 0 Months	8054100
163	Multipronged Approach for the Development of High Energy Density Lithium Sulfur Batteries	1. Prof. Bhanu Nandan INDIAN INSTITUTE OF TECHNOLOGY DELHI Indian Institute of Technology-Delhi Hauz Khas New Delhi Delhi (110016)	1. Prof. Amit Gupta INDIAN INSTITUTE OF TECHNOLOGY DELHI Department of Mechanical Engineering, IIT Delhi New Delhi Delhi (110016) 2. Prof. Bijay Prakash Tripathi	3 Years and 0 Months	39228100

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Department of Materials Science and Engineering, IIT Delhi New Delhi Delhi (110016)

3. Dr. Biplab Kumar Kuila

BANARAS HINDU UNIVERSITY

Banaras Hindu University Varanasi Uttar Pradesh (221005)

4. Dr. Krishna Kumar

MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY
GORAKHPUR

Department of Chemistry and Environmental Science, Madan Mohan Malviya University of Technology, Gorakhpur Gorakhpur Uttar Pradesh (273008)

5. Prof. Rajiv Kumar Srivastava

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Department of Textile Technology, IIT Delhi New Delhi Delhi (110016)

164	Formation of highly quality mixed transition metal oxides	1. Prof. Rajesh Kumar	1. Prof. PB Barman	3 Years and 0 Months	2550000
-----	---	------------------------------	---------------------------	----------------------	---------

	films of Ni _{1-x} Co _{2-x} O ₄ with x0, 0.25, 0.5, 0.75, 1 by using a novel film formation method, and their implementation as an electrode material in high efficiency supercapacitor	JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY JUIT WAKNAGHAT SOLAN H.P. Solan Himachal Pradesh (173234)	JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY Deptt. of Physics and Materials Science, Jaypee University of Information Technology, Wagnaghat, Solan 173234 Himachal Pradesh (173234)		
165	Two Dimensional 2D Nanomaterials novel high-performance supercapacitor electrode materials for energy storage applications	1. Dr. ABU JAHID AKHTAR DIAMOND HARBOUR WOMEN'S UNIVERSITY DIAMOND HARBOUR ROAD SARISHA, SOUTH 24 PARGANAS, WEST BENGAL-743368 Diamond Harbour West Bengal (743368)	1. Dr. Moni Baskey Sen THE UNIVERSITY BURDWAN Golapbag, East Burdwan rajbati West Bengal (713104) 2. Dr. Sudip Kumar Saha DIAMOND HARBOUR WOMEN'S UNIVERSITY Diamond Harbour Road Sarisha South 24 Parganas West Bengal-743368. India Diamond Harbour West Bengal (743368)	3 Years and 0 Months	4664792
166	Techno-economic Analysis of Biodiesel Production from	1. Dr. Baskar G ST.JOSEPH'S	1. Mrs. Kalavathy G ST.JOSEPH'S COLLEGE OF ENGINEERING	3 Years and 0 Months	3918400

	Madhuca indica seeds using Heterogeneous Magnetic Nanocatalyst	COLLEGE OF ENGINEERING OMR Chennai Tamil nadu (600119)	Department of Biotechnology, St. Joseph's College of Engineering, OMR, Chennai - 600119 Chennai Tamilnadu (600119)		
167	Nanostructured zeolitic hollow fibers of great endurance for energy efficient molecular separation and high productivity	1. Dr. Puyam Sobhindo Singh CSIR CENTRAL SALT AND MARINE CHEMICAL RESEARCH INSTITUTE Gijubhai Badheka Marg, Bhavnagar Bhavnagar Gujarat (364002)	NA	3 Years and 0 Months	1920288
168	Understanding the Role of Precious Metal Nano-Particles Shape and Size on the catalytic system for the Production of Jet Fuel Precursor along with mechanistic aspects	1. Prof. Jigisha K Parikh SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT Sardar Vallabhbhai National Institute of Technology, Ichchhanath Circle, Athwa, Surat, Gujarat 395007 Surat Gujarat (395007)	1. Prof. Kamal Kumar Pant IIT DELHI Professor & Head Department of Chemical Engineering Indian Institute of Technology Delhi Hauz Khas, New Delhi INDIA 110016 New Delhi Delhi (110016)	3 Years and 0 Months	7399700
169	Scalable Hybrid Material	1. Prof. Souvik	1. Prof. Dipti Gupta	3 Years and 0	5269000

	Patterning and Their Triboelectric Nano-generators Applications	Kundu BITS PILANI HYDERABAD CAMPUS BITS, Pilani - Hyderabad Campus Jawahar Nagar, Shameerpet Mandal, Hyderabad Telangana (500078)	IIT BOMBAY Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology, Bombay, Powai, Mumbai - 400-076. Powai Maharashtra (400076) 2. Prof. Sanket Goel BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE,PILANI, HYDERABAD CAMPUS Electrical and Electronics Engineering, BITS-Pilani, Hyderabad Campus, Hyderabad Hyderabad Telangana (500078) 3. Prof. Satish Kumar Dubey BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE,PILANI, HYDERABAD CAMPUS Department Mechanical Engineering, Birla Institute of Technology & Science, Pilani, Hyderabad Campus Hyderabad Telangana (500078)	Months	
170	Scalable Hybrid Material Patterning and Their Triboelectric Nano-generators Applications	1. Prof. Souvik Kundu BITS PILANI HYDERABAD CAMPUS	1. Prof. Dipti Gupta IIT BOMBAY	3 Years and 0 Months	5269000

		<p>BITS, Pilani - Hyderabad Campus Jawahar Nagar, Shameerpet Mandal, Hyderabad Telangana (500078)</p> <p>Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology, Bombay, Powai Mumbai - 400-076. Powai Maharashtra (400076)</p> <p>2. Prof. Sanket Goel BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE,PILANI, HYDERABAD CAMPUS Electrical and Electronics Engineering, BITS-Pilani, Hyderabad Campus, Hyderabad Hyderabad Telangana (500078)</p> <p>3. Prof. Satish Kumar Dubey BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE,PILANI, HYDERABAD CAMPUS Department Mechanical Engineering, Birla Institute of Technology & Science, Pilani, Hyderabad Campus Hyderabad Telangana (500078)</p>			
171	Tuning the flexibility of Metal Organic Framework based mixed matrix membranes in efficient removal of CO2 containing feed streams	1. Dr. Manish Kumar Sinha PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GUJARAT	1. Dr. Surendra Sasi Kumar Jampa PANDIT DEENDAYAL PETROLEUM UNIVERSITY, GUJARAT	3 Years and 0 Months	3856800

		Knowledge Corridor, Raisan, Gandhinagar Gandhinagar Gujarat (382007)	Department of Chemical Engineering, School of Technology, Pandit Deendayal Petroleum University, Raisan, Gandinagar-382007, Gujarat, India Gandhinagar Gujarat (382007)		
172	Experimental and theoretical studies of novel graphene doped mixed metal oxide nanocomposites for hydrogen storage	1. Dr. Madhavi Konni VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN kappujaguraju peta,VSEZ post Visakhapatnam Andhra Pradesh (530046)	1. Dr. R S S Srikanth Vemuri VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN Vadlapudi post Backside of VSEZ Kapujaggaraju peta visakhapatnam Andhra Pradesh (530046)	3 Years and 0 Months	1660000
173	Carbon nanotubes promoted Cobalt Catalysts for the storage and generation of Hydrogen from Metal-hydride	1. Dr. Taraknath Das INDIAN INSTITUTE OF TECHNOLOGY ROORKEE Department of Chemical Engineering Indian Institute of Technology Roorkee Roorkee Ut tarakhand (247667)	1. Dr. Tapas Kumar Mandal I I T ROORKEE Department of Chemistry, IIT Roorkee, Roorkee Uttarakhand (247667)	3 Years and 0 Months	4900000
174	Electrochemical flow capacitors (EFC): An innovative and promising solution towards societal	1. Prof. Kaushik Pal IIT ROORKEE	1. Prof. Bhanu Bhusan Khatua INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR, KHARAGPUR	3 Years and 0 Months	6028440

	requirement through waste treatment for clean energy storage.	Department of Mechanical and Industrial Engineering Roorkee Uttarakhand (247667)	Material Science Centre, IIT Kharagpur Kharagpur West Bengal (721302) 2. Dr. Rajib Chowdhury INDIAN INSTITUTE OF TECHNOLOGY , ROORKEE Department of Civil Engineering Indian Institute of Technology Roorkee Roorkee Uttarakhand (247667)		
175	Development of MoO ₂ /CNT/rGO; MoS ₂ /CNT/rGO and MoSe ₂ /CNT/rGO nanocomposites for Energy storage applications	1. Dr. Suryakala Duvvuri GITAM INSTITUTE OF SCIENCE, GITAM UNIVERSITY gandhinagar, rushikonda, visakhapatnam Visakhapatnam Andhra Pradesh (530045)	1. Prof. Ch Subrahmanyam IIT HYDERABAD Energy and Environment Professor, Department of Chemistry; Department of Climate Change Indian Institute of Technology Hyderabad Hyderabad Telangana (502285) 2. Dr. L Vaikunta Rao GITAM INSTITUTE OF SCIENCE, GITAM UNIVERSITY GITAM INSTITUTE OF SCIENCE, GITAM University, Rushikonda, Visakhapatnam Visakhspstnsm Andhra Pradesh (530045)	3 Years and 0 Months	3500000

176	Novel inorganic, organic and hybrid nanomaterials driven integrated approach for energy conversion, storage and clean environment.	<p>1. Dr. Kanishka Biswas JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH (JNCASR) PO Jakkur, Bangalore Bengaluru Karnataka (560064)</p>	<p>1. Dr. ABHISHEK SINGH INDIAN INSTITUTE OF SCIENCE BANGALORE</p> <p>Ilsc, CV Raman Rd, Bengaluru, Karnataka 560012 Bengaluru Karnataka (560012)</p> <p>2. Dr. AJAY SONI IIT MANDI Parashar Road, Tehsil Sadar, Near Kataula, Kamand, Himachal Pradesh 175005 Mandi Himachal Pradesh (175005)</p> <p>3. Dr. ANGSHUMAN NAG INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE Dr. Homi Bhabha Road, Ward No. 8, NCL Colony, Pashan, Pune, Maharashtra 411008, India Pune Maharashtra (411008)</p> <p>4. Dr. BIVAS SAHA JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH (JNCASR)</p>	3 Years and 0 Months	177575000
-----	--	--	---	----------------------	-----------

Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur,
Bangalore, 560064, India Bengaluru Karnataka (560064)

5. Prof. K S NARAYAN

JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC
RESEARCH (JNCASR)

Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur,
Bangalore, 560064, India bengaluru Karnataka (560064)

6. Prof. M ESWARAMOORTHY

JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC
RESEARCH (JNCASR)

Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur,
Bangalore, 560064, India Bengaluru Karnataka (560064)

7. Dr. PREMKUMAR SENGUTTUVAN

JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC
RESEARCH (JNCASR)

Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR),
Jakkur, Bangalore, 560064, India Bengaluru Karnataka (560064)

8. Dr. SEBASTIAN C PETER

JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH (JNCASR)

Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore, 560064, India Bengaluru Karnataka (560064)

9. Prof. SOMOBRATA ACHARYA

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A & 2B, Raja Subodh Chandra Mallick Rd, Jadavpur, Kolkata, West Bengal 700032 Kolkata West Bengal (700032)

10. Prof. TAPAS K MAJI

JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH (JNCASR)

Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bangalore, 560064, India Bengaluru Karnataka (560064)

11. Prof. UMESH V WAGHMARE

JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH (JNCASR)

			Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore, 560064, India Bengaluru Karnataka (560064)		
177	Magnetic Nanoparticles in Enhanced Oil Recovery from Reservoir A Multiscale Computational Approach	1. Dr. Arti Kashyap IIT MANDI S2, C37, North Campus VPO Kamand IIT Mandi Mandi Himachal Pradesh (175001)	NA	3 Years and 0 Months	4500000
178	Design and Synthesis of new Azobenzene Functionalized Organic Dye Sensitized Solar Cells	1. Dr. ANJALI JHA GITAM INSTITUTE OF SCIENCE, GITAM UNIVERSITY Department of Chemistry, GIS, GITAM, gandhinagar rushikonda visakhapatnam, Visakhapatnam , Visakhapatnam, Andhra Pradesh , 530045 VISAKHAPATNAM Andhra Pradesh (530045)	1. Dr. ANIK SEN GITAM INSTITUTE OF SCIENCE, GITAM UNIVERSITY Rushikonda VISAKHAPATNAM Andhra Pradesh (530045)	3 Years and 0 Months	2884800
179	Graphene based polymer nanocomposites for	1. Dr. RJ Krupadam	1. Dr. Sadhana Rayalu	3 Years and 3 Months	7065992

	disinfection of drinking water: Porous materials design, Insights of nanostructure by force microscopy and Mechanism of disinfection	CSIR NEERI NAGPUR CSIR-NEERI ,NAGPUR Nagpur M aharashtra (440020)	NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSITITUTE (NEERI) NAGPUR Chief Scientist, Environmental Materials Division, NEERI. Type VI/3, NEERI Colony East, Nehru Marg, Nagpur 440020 Nagpur Maharashtra (440020)		
180	Fabrication of high rendition ultracapacitor by amalgamation of refractory metal nanostructures	1. Dr. CHIDURALA SHILPA CHAKRA INSTITUTE OF SCIENCE AND TECHNOLOGY,JA WAHAERLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD JNTUH,KUKATPAL LY, HYDERABAD- 500085, TELANGANA KUKA TPALLY Telangana (500085)	1. Prof. Marshal INDIAN INSTITUTE OF TECHNOLOGY, BHU Nano-Cellular Therapeutics and Biophysics Laboratory School of Biomedical Engineering Varanasi Uttar Pradesh (221005)	3 Years and 0 Months	9412700
181	Preparation of nano metal iron particles from discarded alkaline battery and used black tonner powder Particles suitable for removing heavy metal ion particles from electroplating industrial effluents.	1. Dr. L FRANCIS XAVIER CHRIST UNIVERSITY FACULTY OF ENGINEERING Faculty of Engineering, Christ University, Office: #325(45), Kengeri- Campus, Mysore Road, Bengaluru- 560074. Karnataka-	1. Dr. Mothi Krishna Mohan CHRIST DEEMED TO BE UNIVERSITY faculty of engineering, kengeri campus, kumbalgodu, banglore banglore Karnataka (560074) 2. Dr. Shijo thomas CHRIST DEEMED TO BE UNIVERSITY faculty of engineering, kengeri campus, kumbalgodu, banglore banglore Karnataka (560074)	3 Years and 0 Months	1680000

		State, India. Bengaluru Kar nataka (560074)			
182	INVESTIGATION ON ALUMINUM DOPED ZINC OXIDE THIN FILM TRANSPARENT CONDUCTING OXIDES FOR SOLAR CELL APPLICATIONS	1. Dr. DEVIREDDY JHANSI RANI GATES INSTITUTE OF TECHNOLOGY NH-44, GOOTYANANTAPU RAM (V), PEDDAVADAGURU (M) ANANTAPURAMU(DIST) ANDHRAPRADESH STATE Gooty Andhr a Pradesh (515401)	NA	3 Years and 0 Months	2000000
183	Removal of heavy metals from industrial effluents as biogenic nanoparticles by bacterial EPS and their subsequent use in treatment of textile dye waste water	1. Dr. Shyama Prasad Sajankila NITTE MAHALINGA ADYANTHAYA MEMORIAL INSTITUTE OF TECHNOLOGY NMAM Institute of Technology, Nitte, Nitte Karnatak	1. Mrs. Louella Concepta Goveas NITTE MAHALINGA ADYANTHAYA MEMORIAL INSTITUTE OF TECHNOLOGY NMAM Institute of Technology, Nitte, Nitte Karnataka (574110)	3 Years and 0 Months	6000000

		a (574110)	<p>2. Dr. S Raja MANIPAL INSTITUTE OF TECHNOLOGY Manipal Institute of Technology, Madhav Nagar, Manipal-Karnataka. Manipal Karnataka (576104)</p> <p>3. Mrs. Sneha Nayak NITTE MAHALINGA ADYANTHAYA MEMORIAL INSTITUTE OF TECHNOLOGY NMAM Institute of Technology, Nitte, Nitte Karnataka (574110)</p>		
184	Hierarchical Mesoporous Metal oxide with quantum dots electrode for Multifunctional Solid State Battery and Supercapacitor Applications	1. Dr. Devendrappa MANGALORE UNIVERSITY Dept. of Physics,, Mangalore University Mangalore Karnataka (574199)	NA	3 Years and 0 Months	5032250
185	Investigations on nano structured hematite as anode material for advanced energy storage devices	1. Prof. Sevi Murugavel UNIVERSITY OF DELHI University Road, New Delhi Delhi Delhi (110007)	NA	3 Years and 0 Months	6316800

186	FABRICATION AND CHARACTERISATION OF SPARK PLASMA SINTERED MULTIFUNCTIONAL CaTiO ₃ @CNT NANOCOMPOSITE CAPACITOR FOR ENERGY STORAGE APPLICATION	1. Dr. prafulla Kumar Mallik INDIRA GANDHI INSTITUTE OF TECHNOLOGY Sarang, Parjang SARANG O rissa (759146)	NA	3 Years and 0 Months	13610000
187	Development of Doped-Ceria Based Nanomaterials as Anode for Lithium Ion Batteries	1. Dr. Hari Prasad Dasari NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL Srinivasanagar, Mangalore Mangalore Karnataka (575025)	1. Prof. M Bharathaiyengar Saidutta NATIONAL INSTISTUTE OF TECHNOLOGY Chemical Engineering Department, Surathkal NITK, Surathkal Manglore Mangalore Karnataka (575025)	3 Years and 0 Months	5628210
188	Development of Cerium based metal organic framework composite materials for energy applications	1. Dr. Keerthi ANNA UNIVERSITY ,CHENNAI 25 Anna University, Guindy campus, Ssardar patal road, chennai-25 guindy campus Tamilnadu (600025)	1. Prof. Balasubramanian ANNA UNIVERSITY ,CHENNAI 25 Professor Department of Chemical Engineering AC Tech, Anna University Chennai Tamilnadu (600025)	3 Years and 0 Months	5015530
189	Graphene/plasmonic nanocomposites for Clean Energy Production from Industrial Effluent Waste	1. Dr. M Umadevi MOTHER TERESA WOMEN'S UNIVERSITY	NA	3 Years and 0 Months	7254016

		4-685 Attuvampatti Kodaik anal Tamilnadu (624 101)			
190	FABRICATION AND CHARACTERISATION OF SPARK PLASMA SINTERED MULTIFUNCTIONAL CaTiO ₃ “CNT NANOCOMPOSITE CAPACITOR FOR ENERGY STORAGE APPLICATION	1. Dr. prafulla Kumar Mallik INDIRA GANDHI INSTITUTE OF TECHNOLOGY Sarang, Parjang SARANG O rissa (759146)	NA	3 Years and 0 Months	136100000
191	Development of tailor-made carbon-based functionalized charged nanoparticles- embedded and/or coated polymeric microbeads for adsorption of various pollutants present in domestic and industrial wastewater, and their application within a biofuel cell setup	1. Dr. Kingshuk Dutta ADVANCED RESEARCH SCHOOL FOR TECHNOLOGY AND PRODUCT SIMULATION, SCHOOL FOR ADVANCED RESEARCH IN POLYMERS, CENTRAL INSTITUTE OF PLASTICS ENGINEERING AND TECHNOLOGY, CHENNAI T.V.K. Industrial Estate, Guindy, Chennai, Tamil Nadu, India Chennai Tamil nadu (600032)	1. Dr. R Joseph Bensingh ADVANCED RESEARCH SCHOOL FOR TECHNOLOGY AND PRODUCT SIMULATION, SCHOOL FOR ADVANCED RESEARCH IN POLYMERS, CENTRAL INSTITUTE OF PLASTICS ENGINEERING AND TECHNOLOGY, CHENNAI T. V. K. Industrial Estate, Guindy Chennai Tamilnadu (600032)	3 Years and 0 Months	9110000

192	Design and development of heterogeneous nanostructured materials for the conversion of inert and non-eco-friendly gases and water to energy carriers and fuels	1. Dr. Rajendra Srivastava IIT ROPAR Dr Rajendra Srivastava Associate Professor Department of Chemistry Indian Institute of Technology - Ropar Nangal Road Rupnagar 140 001 Punjab RUPNAGAR Punjab (140001)	1. Dr. Debabrata Pradhan IIT KHARAGPUR Materials Science Centre, Indian Institute of Technology, Kharagpur Khargpur West Bengal (721302)	3 Years and 0 Months	16839288
193	Enhancement of stability and performance of nano-perovskite based energy storage device by ion beam modification	1. Dr. Shyamal Chatterjee IIT BHUBANESWAR School of Basic Sciences, IIT Bhubaneswar, Arugul, Po:Jatni khordha Orissa (752050)	1. Dr. Chandra Sekhar Rout JAIN UNIVERSITY, CENTRE FOR NANO AND MATERIAL SCIENCES qpsSfpETomgws3QEYsofnwJi69NmJwOiWsYiWsti34akpcOi3sYhaweg 2cJtnsZhXoKhJwup5Y8hGwOIHYcg3pdp20OkXoKhHALy786knEJhXpd kXAL15EciXBd0b8wImS YhXYci78qlHYYiXwYhLNdrX4UIdUoiXYHkm0Kj msEy78zlnQSlmwcixSLr8tiGwJy78y Jakkasandra Karnataka (562112) 2. Dr. Niharika Mohapatra IIT BHUBANESWAR SBS, IIT Bhubaneswar, Jatni Jatni Orissa (752050)	3 Years and 0 Months	4664000
194	Fabrication of Pt-Au nanolayer coated porous silicon Electrodes for the detection of Glucose in Blood using Electrochemical workstation	1. Prof. R N Viswanath AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY (AVIT)	1. Dr. R Nagalakshmi AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY	3 Years and 0 Months	6149616

		Department of Physics, Vinayaka Nagar. Old Mahabalipuram Road, Paiyanoor Kancheepuram Dist, Chennai-603104 Tamil Nadu, India. Chennai Tamil nadu (603104)	Vnayaka Nagar, Paiyanoor, Old Mahabalipuram Road, Kanchipuram District Chennai 603 104 Paiyanoor, Chennai Tamilnadu (603104)		
195	The Structure Sensitive Nano Materials for Alternative Clean Energy	1. Dr. Sounak Roy BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE(BITS), PILANI, HYDERABAD CAMPUS BITS Pilani Hyderabad Campus Jawahar Nagar, Shameerpet Secunderabad Telangana (500078)	1. Dr. Sudhanshu Sharma INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR IIT Gandhinagar Gandhinagar Gujarat (382355)	3 Years and 0 Months	7568520
196	Novel lightweight free-	1. Dr. D P	1. Dr. Neeraj Dwivedi	3 Years and 0	4860000

	standing metal oxide dispersed carbon nanofiber electrodes for flexible energy storage devices	CSIR ADVANCED MATERIALS AND PROCESSES RESEARCH INSTITUTE Hoshangabad road, Bhopal Bhopal Madhya Pradesh (462026)	ADVANCED MATERIALS AND PROCESSES RESEARCH INSTITUTE BHOPAL Hoshangabad Road Bhopal Madhya Pradesh (462026) 2. Dr. Rajeev Kumar ADVANCED MATERIALS AND PROCESSES RESEARCH INSTITUTE BHOPAL Hoshangabad Road Bhopal Madhya Pradesh (462026) 3. Dr. Shiv Singh ADVANCED MATERIALS AND PROCESSES RESEARCH INSTITUTE BHOPAL Hoshangabad Road Bhopal Madhya Pradesh (462026)	Months	
197	Performance Investigation of a Green-nanorefrigerant and Photovoltaic Module Based Vapour Compression Refrigeration System	1. Dr. Kundan Lal Thapar Institute of Engineering and technology University, Bhadson Road, Patiala, Punjab (147004)	1. Dr. Rohit Kumar Singla THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY Mechanical Engineering Department, TIET, Patiala, Punjab (147004)	3 Years and 0 Months	1986000
198	An Advanced Thermal	1. Dr. Rohit Kumar	1. Dr. Kundan Lal	3 Years and 0	1728000

	<p>Energy Storage Device for Ultrafast Charging and Discharging with Nano Phase Change Material</p>	<p>Singla INSTITUTE OF ENGINEERING AND TECHNOLOGY, PATIALA THAPAR Bhadson Road, Patiala Patiala Punjab (147004)</p>	<p>THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY, PATIALA Mechanical Department, Thapar University, Patiala, Punjab, INDIA Thapar University, Patiala, Punjab (147004)</p>	<p>Months</p>	
		<p>A.K.S. UNIVERSITY macuzydrast Delhi A ndhra Pradesh (110016)</p>			